```
Set      Items    Description
S1     5499689    VOICE? ? OR AUDIO? ? OR SPEECH??
S2       43708    S1(5N)(RETRIEV??? OR REPRODUC? OR COMMAND? ?)
S3        4562    S2(S)(WIRELESS? OR WIRE()LESS??)
S4         417    S3(20N)(SALE OR BUY??? OR SELL??? OR PURCHAS? OR TRANSACT?
                    OR EXECUT???)
S5         169    S4 NOT PY>2000
S6         131    S5 NOT PD=20000629:20040629
S7          44    RD  (unique items)
File  15:ABI/Inform(R) 1971-2006/Sep 01
         (c) 2006 ProQuest Info&Learning
File 610:Business Wire 1999-2006/Sep 01
         (c) 2006 Business Wire.
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 275:Gale Group Computer DB(TM) 1983-2006/Aug 31
         (c) 2006 The Gale Group
File 475:Wall Street Journal Abs 1973-2006/Aug 31
         (c) 2006 The New York Times
File 624:McGraw-Hill Publications 1985-2006/Sep 01
         (c) 2006 McGraw-Hill Co. Inc
File 636:Gale Group Newsletter DB(TM) 1987-2006/Aug 31
         (c) 2006 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2006/Sep 01
         (c) 2006 The Gale Group
File 613:PR Newswire 1999-2006/Sep 01
         (c) 2006 PR Newswire Association Inc
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
File  16:Gale Group PROMT(R) 1990-2006/Aug 31
         (c) 2006 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 634:San Jose Mercury  Jun 1985-2006/Aug 31
         (c) 2006 San Jose Mercury News
File 148:Gale Group Trade & Industry DB 1976-2006/Sep 01
         (c)2006 The Gale Group
File  20:Dialog Global Reporter 1997-2006/Sep 01
         (c) 2006 Dialog
```

7/3,K/1   (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2006 ProQuest Info&Learning. All rts. reserv.

01990638 49009704
Consumer republic
Goldman, Debra
Adweek v41n5 PP: 18 Jan 31, 2000
ISSN: 0199-2864 JRNL CODE: AWE
WORD COUNT: 763

...TEXT: reveals this apparent psychotic episode is, in fact, business as
usual: The guy is blurting **commands** at his **wireless** , wearable, **voice**
-activated computer as its tiny screen displays-what else?-stock quotes a
few inches from his twitching eyeball. "Up! Down! **Buy** !" he barks, much to
the alarm of the square's trademark pigeons.

I assume the...

7/3,K/2   (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2006 ProQuest Info&Learning. All rts. reserv.

01953560 46455577
Can speech recognition give telephones a new face?
Meisel, William
Business Communications Review PP: 18-22 Nov 1999
ISSN: 0162-3885 JRNL CODE: BCR

...ABSTRACT: use is an important trend in telephony. Speech recognition can
transform any telephone - wired or **wireless** - into an information
appliance, that can be used to **retrieve** information and perform
transactions . **Speech** recognition - the Voice User Interface for
telephones - is the final key in the coming explosion...

7/3,K/3   (Item 1 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2006 Business Wire. All rts. reserv.

00300349 20000614166B1543 (USE FORMAT 7 FOR FULLTEXT)
Viant Accelerates Mobile Internet Businesses; Announces Global Strategic
Partnership with Ericsson
Business Wire
Wednesday, June 14, 2000 08:50 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 745

...Innovation Centers in Boston, Dallas and San Francisco,
and has developed new applications for the **wireless** Internet including
remote
positioning, active messaging, micro auctions, polymorphic interfaces,
option
 purchasing , **voice** **command** and legacy system interface.

Viant and Ericsson have established a joint Innovation Center, already up
...

7/3,K/4   (Item 2 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2006 Business Wire. All rts. reserv.

00290420 20000531152B1419 (USE FORMAT 7 FOR FULLTEXT)
**Voice   Internet Access Available to Wireless Carriers Nationwide for First
Time**
Business Wire
Wednesday, May 31, 2000 06:17 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 830

...wireless
operators to offer their subscribers -- up-to-the-minute traffic reports
available at the **command** of your **voice** ."

According to William D. Brockmeyer II, president and chief **executive**
officer
of Voice Access Technologies, "This technology launch makes it possible for
the 86-million...

7/3,K/5   (Item 3 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2006 Business Wire. All rts. reserv.

00266562 20000427118B6883 (USE FORMAT 7 FOR FULLTEXT)
**A Virtual Barista At Your Fingertips; Tully's Coffee Announces Wireless
Point-of-Sale Capability**
Business Wire
Thursday, April 27, 2000 09:17 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 748

...voice portal provided by Parigon Communications Inc. allows any wireless
handset to interface with the **Wireless** Blvd system.

Matt Howe, president of NetCommerce, said, "Wireless Blvd provides an easy
to
use, practical way for consumers to **purchase** everyday products and
services
from the convenience of their mobile phone. Most importantly, it
accelerates...

7/3,K/6   (Item 4 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2006 Business Wire. All rts. reserv.

00239195 20000322082B8287 (USE FORMAT 7 FOR FULLTEXT)
**World's First Audio-on-Demand System Available in Denver Retail Locations
Today; Command Audio Now Available at Denver Area Circuit City Locations**
Business Wire
Wednesday, March 22, 2000 09:19 EST
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 475

...a month about as much as a daily
newspaper. The RCA CA1000 wireless, handheld receiver **sells** for $199.99.
A
complete list of the hundreds of **Command Audio** programs, subscription
information and information·about RCA CA1000 **Command Audio** receivers is
available in Denver area Circuit City stores, on the company Web site at...

7/3,K/7   (Item 5 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2006 Business Wire. All rts. reserv.

00235015 20000315075B3261 (USE FORMAT 7 FOR FULLTEXT)
**World's First Audio-On-Demand System Available in Phoenix Retail Locations
Today; Command Audio Now Available at Phoenix Area Circuit City and Fry's
Electronics stores**
Business Wire
Wednesday, March 15, 2000 13:26 EST
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 488

...a month -- about as much as a daily
newspaper. The RCA CA1000 wireless, handheld receiver **sells** for $199.99.
A
complete list of the hundreds of **Command Audio** programs, subscription
information and information about RCA CA1000 **Command Audio** receivers is
available in Phoenix area Circuit City and Fry's Electronics stores, on the
...

7/3,K/8   (Item 6 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2006 Business Wire. All rts. reserv.

00235004 20000315075B3250 (USE FORMAT 7 FOR FULLTEXT)
**World's First Audio-On-Demand System Available in Phoenix and Denver Retail
Locations; Listeners in First Markets Can Hear What They Want, When They
Want**
Business Wire
Wednesday, March 15, 2000 13:16 EST
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 506

...a month - about as much as a daily
newspaper. The RCA CA1000 wireless, handheld receiver **sells** for $199. A
complete list of the hundreds of **Command Audio** programs, subscription
information and information about RCA CA1000 **Command Audio** receivers is
available in Denver and Phoenix area Circuit City and Phoenix area Fry's...

7/3,K/9   (Item 7 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2006 Business Wire. All rts. reserv.

00233686 20000314074B1871 (USE FORMAT 7 FOR FULLTEXT)
**VSI Enterprises CompleteS $5.6 Million Private Placement Equity
Transactions and Repays Debt Obligation**

Business Wire
Tuesday, March 14, 2000 10:45 EST
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 794

...and videoconferencing products that
operate on PC platforms. Additionally, through its subsidiary, Eastern
Telecom, VSI **sells** various telecommunications services and equipment
provided
by Bell Atlantic, BellSouth, Ameritech, PacBell, Cable & **Wireless** , Lucent
Technologies and other communications companies. As was previously
announced,
VSI has entered into a definitive agreement to **sell** Eastern Telecom to
PentaStar Communications, Inc. (NASDAQ: PNTA), a Denver, Colorado based
communications services agent...

 7/3,K/10   (Item 8 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2006 Business Wire. All rts. reserv.

00208548 20000306066B4809   (USE FORMAT 7 FOR FULLTEXT)
**Cutting-Edge NeoPoint 1000 Voted by Consumers as One of the ``Seven
Wireless Wonders of 1999''**
Business Wire
Monday, March 6, 2000 08:59 EST
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 712

...Lotus Organizer(R) via
NeoPoint's SoftSync Plus(TM) software, which is included with the **purchase**
 of
the NeoPoint 1000.
And by using the included data cable, the smartphone functions as a
wireless
modem to send and receive data, such as faxes, from laptop computers.
Additionally, an advanced...

 7/3,K/11   (Item 9 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2006 Business Wire. All rts. reserv.

00206243 20000301061B2341   (USE FORMAT 7 FOR FULLTEXT)
Command Audio Announces Additional Programming From National Public Radio
Business Wire
Wednesday, March 1, 2000 14:20 EST
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 517

...radio listeners, while at the same time expanding
our reach to new audiences," said NPR **Executive** Vice President Ken Stern.
"Command Audio enables subscribers to hear their favorite NPR programs
whenever and wherever they want."

       About **Command** **Audio**

Command Audio is the world's first wireless audio-on-demand service, giving
listeners instant access to...

7/3,K/12 **(Item 10 from file: 610)**
DIALOG(R)File 610:Business Wire
(c) 2006 Business Wire. All rts. reserv.

00202781 20000225056B8513 (USE FORMAT 7 FOR FULLTEXT)
VSI Enterprises Selects Folio Z to Assist With Marketing Strategy
Business Wire
Friday, February 25, 2000 17:29 EST
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 469

...strategy for their new technology."

VSI Enterprises, Inc. develops, manufactures, markets and supports software
based **audio** /visual **command** and control systems and videoconferencing
products
which operate on PC platforms. Additionally, through its subsidiary,
Eastern
Telecom, Inc., VSI **sells** various telecommunications services and
equipment
provided by Bell Atlantic, BellSouth, Ameritech, PacBell, Cable & **Wireless**
,
Lucent Technologies and other communications companies. VSI's customers are
located in more than 30...

7/3,K/13 **(Item 11 from file: 610)**
DIALOG(R)File 610:Business Wire
(c) 2006 Business Wire. All rts. reserv.

00199556 20000222053B5193 (USE FORMAT 7 FOR FULLTEXT)
Command Audio Names David Sym-Smith Vice President of Sales and Marketing
Business Wire
Tuesday, February 22, 2000 15:18 EST
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 580

TEXT:
New **executive** brings 15 years of experience in wireless market
        expansion to world's first wireless audio-on-demand service

 Audio -on-demand pioneer **Command** **Audio** Corporation has named David
Sym-Smith
as Vice President of Sales and Marketing. With more...

7/3,K/14 **(Item 12 from file: 610)**
DIALOG(R)File 610:Business Wire
(c) 2006 Business Wire. All rts. reserv.

00190194 20000209040B5662 (USE FORMAT 7 FOR FULLTEXT)
**Cutting-Edge NeoPoint 1000 Arrives At Bell Mobility Retail Locations in
Canada**

Business Wire
Wednesday, February 9, 2000 10:31 EST
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 830

...Lotus
Organizer(R) via NeoPoint's SoftSync Plus(TM) software, which is included
with the .**purchase** of the smartphone. And by using the included data
cable,
the NeoPoint 1000 functions as a **wireless** modem to send and receive data,
such as faxes, from laptop computers. Additionally, an advanced...

 7/3,K/15   (Item 13 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2006 Business Wire. All rts. reserv.

00183819 20000201032B0128   (USE FORMAT 7 FOR FULLTEXT)
Command Audio Announces Addition of Content from USA TODAY
Business Wire
Tuesday, February 1, 2000 08:19 EST
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 613

TEXT:
...Demand Service Now Includes
  a Variety of Content from Nation's Most Widely Circulated Newspaper

  Audio -on-demand pioneer **Command**   **Audio** Corporation is pleased to
announce the addition of selected content from USA TODAY, the nation's
largest- **selling** daily newspaper, to its **audio** programming lineup.
 Command   **Audio** subscribers now have **wireless** on-demand access to a
wide
variety of USA TODAY's health, sports, travel, entertainment...

 7/3,K/16   (Item 14 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2006 Business Wire. All rts. reserv.

00177448 20000124024B1225   (USE FORMAT 7 FOR FULLTEXT)
Concierge, Inc. Signs Interim Merger Agreement With Starfest, Inc.
Business Wire
Monday, January 24, 2000 08:15 EST
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 790

...mail messages while, say, driving to college or
taking the kids to school, and by **voice**   **commands** respond to the sender
by e-mail. All a person needs is $39.95 to **purchase** the e-mail version
and a personal computer running Windows 95 or 98. In ten...

 7/3,K/17   (Item 15 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2006 Business Wire. All rts. reserv.

00167969 20000107007B1240 (USE FORMAT 7 FOR FULLTEXT)
**VSI   Announces   Successful   Software   Co-Development   Project   and   Equity
Agreement With ACIS, Inc.**
Business Wire
Friday, January 7, 2000   12:04 EST
JOURNAL CODE: BW   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 601

...of VSI's current business.

VSI Enterprises, Inc. develops, manufactures, markets and supports
software based **audio** /visual **command** and control systems and
videoconferencing products that operate on PC platforms. Additionally,
through its subsidiary, Eastern Telecom, Inc., VSI **sells** various
telecommunications services and equipment provided by Bell Atlantic,
BellSouth, Ameritech, PacBell, Cable & **Wireless** , Lucent Technologies
and other communications companies. VSI's customers are located in more
than 30...

7/3,K/18   (Item 16 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2006 Business Wire. All rts. reserv.

00166233 20000105005B1266 (USE FORMAT 7 FOR FULLTEXT)
VSI Reiterates Its Obligation Under Debt Agreement
Business Wire
Wednesday, January 5, 2000   09:41 EST
JOURNAL CODE: BW   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 325

VSI Enterprises, Inc. develops, manufactures, markets and supports
software based **audio** /visual **command** and control systems and
videoconferencing products that operate on PC platforms. Additionally,
through its subsidiary, Eastern Telecom, Inc., VSI **sells** various
telecommunications services and equipment provided by Bell Atlantic,
BellSouth, Ameritech, PacBell, Cable & **Wireless** , Lucent Technologies
and other communications companies. VSI's customers are located in more
than 30...

7/3,K/19   (Item 17 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2006 Business Wire. All rts. reserv.

00164756 20000103003B0067 (USE FORMAT 7 FOR FULLTEXT)
**(VSIN) View Tech, Inc. To Divest of Its Network Services Division; Enters
Into Definitive Agreement With VSI Enterprises, Inc.**
Business Wire
Monday, January 3, 2000   09:47 EST
JOURNAL CODE: BW   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 586

...Bell, Sprint and
UUNET Technologies.

VSI Enterprises, Inc. develops, manufactures, markets and supports

software based **audio** /visual **command** and control systems and
videoconferencing products which operate on PC platforms. Additionally,
through its subsidiary, Eastern Telecom, Inc., VSI **sells** various
telecommunications services and equipment provided by Bell Atlantic,
BellSouth, Ameritech, PacBell, Cable & **Wireless** , Lucent Technologies
and other communications companies. VSI's customers are located in more
than 30...

 7/3,K/20   (Item 18 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2006 Business Wire. All rts. reserv.

00134390 19991108312B1292   (USE FORMAT 7 FOR FULLTEXT)
VSI Enterprises Inc. Reports Third Quarter Results
Business Wire
Monday, November 8, 1999 09:03 EST
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 1,031

...be issued in April 2000.

VSI Enterprises, Inc. develops, manufactures, markets and supports
software based **audio** /visual **command** and control systems and
videoconferencing products which operate on PC platforms. Additionally,
through its subsidiary, Eastern Telecom, Inc., VSI **sells** various
telecommunications services and equipment provided by Bell Atlantic,
BellSouth, Ameritech, PacBell, Cable & **Wireless** , Lucent Technologies
and other communications companies. VSI's customers are located in more
than 30...

 7/3,K/21   (Item 19 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2006 Business Wire. All rts. reserv.

00111201 19990928271B1508   (USE FORMAT 7 FOR FULLTEXT)
VSI to Upgrade Bell Atlantic Videoconferencing Systems
Business Wire
Tuesday, September 28, 1999 13:43 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 469

...visual command and control requirements."

VSI Enterprises, Inc. develops, manufactures, markets and supports
software based **audio** /visual **command** and control systems and
videoconferencing products which operate on PC platforms. Additionally,
through its subsidiary, Eastern Telecom, Inc., VSI **sells** various
telecommunications services and equipment provided by Bell Atlantic,
BellSouth, Ameritech, PacBell, Cable & **Wireless** , Lucent Technologies
and other communications companies. VSI's customers are located in more
than 30...

 7/3,K/22   (Item 20 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2006 Business Wire. All rts. reserv.

00108577 19990923266B1352 (USE FORMAT 7 FOR FULLTEXT)
VSI Stock Moved From Nasdaq SmallCap to OTC Bulletin Board
Business Wire
Thursday, September 23, 1999 13:29 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 459

...stay of the delisting decision.

VSI Enterprises, Inc. develops, manufactures, markets and supports
software based **audio** /visual **command** and control systems and
videoconferencing products which operate on PC platforms. Additionally,
through its subsidiary, Eastern Telecom, Inc., VSI **sells** various
telecommunications services and equipment provided by Bell Atlantic,
BellSouth, Ameritech, PacBell, Cable & **Wireless** , Lucent Technologies
and other communications companies. VSI's customers are located in more
than 30...

7/3,K/23   (Item 21 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2006 Business Wire. All rts. reserv.

00105977 19990920263B1203 (USE FORMAT 7 FOR FULLTEXT)
Lockheed Martin Selects VSI to Provide A/V Control System
Business Wire
Monday, September 20, 1999 09:14 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 529

...1998 sales surpassing $26
billion.

VSI Enterprises, Inc. develops, manufactures, markets and supports
software based **audio** /visual **command** and control systems and
videoconferencing products which operate on PC platforms. Additionally,
through its subsidiary, Eastern Telecom, Inc., VSI **sells** various
telecommunications services and equipment provided by Bell Atlantic,
BellSouth, Ameritech, PacBell, Cable & **Wireless** , Lucent Technologies
and other communications companies. VSI's customers are located in more
than 30...

7/3,K/24   (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2006 The Gale Group. All rts. reserv.

02404216   SUPPLIER NUMBER: 62526887   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Voice Internet Access Available to Wireless Carriers Nationwide for First
  Time.(GTE Telecommunications Services Inc.)(Company Business and
  Marketing)**
Cambridge Telecom Report, NA
June 5, 2000
LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 818   LINE COUNT: 00073

...   wireless operators to offer their subscribers -- up-to-the-minute

traffic reports available at the **command** of your **voice** ."
       According to William D. Brockmeyer II, president and chief **executive**
 officer of Voice Access Technologies, "This technology launch makes it
 possible for the 86-million...

   7/3,K/25   (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2006 The Gale Group. All rts. reserv.

02394185   SUPPLIER NUMBER: 61807059   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Constant Messengers.(Internet/Web/Online Service Information)(Editorial)
Wickham, Rhonda L.
Wireless Review, ISSN 1099-9248, NA
April 30, 2000
DOCUMENT TYPE: Editorial   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 641   LINE COUNT: 00052

...   send you an instant message: "Did you know that the fleece warm-ups
are on **sale** ?" Was this really more important than the live **voice**
messages you were **retrieving** from home? Or suppose the stock market is
suddenly in the toilet. Your money, earmarked...

   7/3,K/26   (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2006 The Gale Group. All rts. reserv.

01375677   SUPPLIER NUMBER: 09537753   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Giving voice to Mac commands. (Articulate Systems Inc.'s Voice Navigator II
   software/hardware for controlling the computer with voice commands)
   (evaluation)
LeVitus, Bob
MacWEEK, v4, n35, p60(3)
Oct 16, 1990
DOCUMENT TYPE: evaluation   ISSN: 0892-8118   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1825   LINE COUNT: 00141

...   say, "Deactivate," or type Command-3), we often forgot to do so,
and occasionally we **executed   voice   commands** inadvertently while
conversing with someone in our office or talking on the phone. Articulate
Systems...

   7/3,K/27   (Item 1 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications
(c) 2006 McGraw-Hill Co. Inc. All rts. reserv.

01057244
Samsung: How a Korean electronics giant came out of the crisis stronger
   than ever
By Moon Ihlwan and Pete Engardio in Seoul, with Irene Kunii in Tokyo and
  Roger Crockett in Chicago
Business Week, Number 3660, Pg 44
December 20, 1999
JOURNAL CODE: BW
SECTION HEADING: Business Week International Editions: Asian Cover Story
ISSN: 0007-7135
WORD COUNT: 3,072

TEXT:

... Electronics has made the biggest strides in cellular phones. In Korea, the company expects to **sell** around 7 million **wireless** handsets this year--roughly one for seven Koreans. It already is marketing the new SPH...

7/3,K/28   (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2006 The Gale Group. All rts. reserv.

04662881   Supplier Number: 62199967 (USE FORMAT 7 FOR FULLTEXT)
e Banking BEA: Motorola Offers Cell Phone For Credit Cards.
Hackett, John
Bank Technology News, v14, n4, p33
April, 2000
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 732

    (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...Motorola's personal networks group. The Trintech product, called Easy Pay, enables users to make **purchases** from Internet retailers with **voice commands** and the use of a four-digit personal identification number. The major appeal of Easy...Amazon.com, what you will get is a limited feed showing you only their top **sellers** ." A number of financial service companies are experimenting with the " **wireless** access protocol," or WAP, a developing standard for **wireless** devices, but most of the applications trickling to market are limited, he adds. "XTML (a...

7/3,K/29   (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2006 The Gale Group. All rts. reserv.

04089788   Supplier Number: 53745394 (USE FORMAT 7 FOR FULLTEXT)
UNWIRED PLANET: IGS delivers a simply more intelligent smartphone.
M2 Presswire, pNA
Feb 9, 1999
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1090

...   is designed and priced to be the Simply More Intelligent option for consumers seeking sophisticated **wireless** capabilities," said William Son, IGS chairman and chief **executive** officer. "While NeoPoint is positioned for the upscale market, its ease of use and competitive...

7/3,K/30   (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2006 The Gale Group. All rts. reserv.

02522861   Supplier Number: 62438137 (USE FORMAT 7 FOR FULLTEXT)
Verizon Wireless Drives Consumers to `Think Safety' When Calling from the Car.
PR Newswire, p3868
May 22, 2000

Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 874

...   on headsets, or visit the Verizon Wireless Online store at
www.verizonwireless.com.   .
      Currently, Verizon **Wireless** is running a promotion offering two
months of free TalkDial(SM), a voice-activated dialing service, with the
purchase of a hands-free headset. TalkDial is a service that allows a
driver to simply...

 7/3,K/31   (Item 2 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2006 The Gale Group. All rts. reserv.

02270505   Supplier Number: 58429450   (USE FORMAT 7 FOR FULLTEXT)
**View Tech, Inc. To Divest of Its Network Services Division; Enters Into
  Definitive Agreement With VSI Enterprises, Inc.**
Business Wire, p0067
Jan 3, 2000
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 573

...   Bell, Sprint and UUNET Technologies.
      VSI Enterprises, Inc. develops, manufactures, markets and supports
software based **audio** /visual **command** and control systems and
videoconferencing products which operate on PC platforms. Additionally,
through its subsidiary, Eastern Telecom, Inc., VSI **sells** various
telecommunications services and equipment provided by Bell Atlantic,
BellSouth, Ameritech, PacBell, Cable & **Wireless** , Lucent Technologies and
other communications companies. VSI's customers are located in more than 30
...

 7/3,K/32   (Item 3 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2006 The Gale Group. All rts. reserv.

02264897   Supplier Number: 58320832   (USE FORMAT 7 FOR FULLTEXT)
GQ Magazine Proclaims the NeoPoint 1000 As 'Phone of the Year'.
PR Newswire, p3208
Dec 21, 1999
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 594

...   and Lotus Organizer(R) via its SoftSync Plus(TM) software, which is
included with the **purchase** of the NeoPoint 1000. And by using the
included data cable, the NeoPoint 1000 works as a **wireless** modem to send
and receive data such as faxes from a laptop computer. Additionally, an...

 7/3,K/33   (Item 4 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2006 The Gale Group. All rts. reserv.

02144065   Supplier Number: 55407049   (USE FORMAT 7 FOR FULLTEXT)
NeoPoint 1000(TM) -- The Highly Acclaimed Digital Wireless Smartphone From

NeoPoint Selected By Sprint PCS to Deliver Wireless Data Services Nationwide.
PR Newswire, p6385
August 11, 1999
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 931

...   and Lotus Organizer(R) via SoftSync Plus(TM) software, which will be included with the **purchase** of the Sprint PCS Phone NP1000. An advanced **voice - command** function also provides users with the ability to speed dial pre-set numbers, as well...

7/3,K/34   (Item 5 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2006 The Gale Group. All rts. reserv.

01487410   Supplier Number: 47111308   (USE FORMAT 7 FOR FULLTEXT)
The National Dispatch Center Inc. now offers One Connect with two enhanced-feature packages; Road Warrior, Globe Trotter personal one-number offerings available to wireless carriers for individual & corporate subscribers.
Business Wire, p02100126
Feb 10, 1997
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 863

...   her pager or other wireless device. The subscriber then calls into his own account to **retrieve** faxes, **voice** mail and live calls, from any phone, anywhere in the United States.
     NDC **sells** One Connect to the paging and PCS carriers at wholesale rates. The carriers then mark...

7/3,K/35   (Item 6 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2006 The Gale Group. All rts. reserv.

01333208   Supplier Number: 46046329   (USE FORMAT 7 FOR FULLTEXT)
WIRELESS LOGIC SET TO DELIVER WORLD'S FIRST LOWCOST SPREAD SPECTRUM COMMUNICATION PROCESSOR
News Release, pN/A
Jan 5, 1996
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 820

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...supported by WLI's wireless chip set include, at the market's low end, simplex **wireless** products such as security alarms, baby monitors, remote speakers, intercoms, **transaction** data processing, and portable data collection. At the upper end, duplex designs address complex solutions...

7/3,K/36   (Item 1 from file: 813)
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0832754   NY029
ANDREA ELECTRONICS SIGNS PROCUREMENT AGREEMENT WITH IBM

DATE: June 19, 1995   09:37 EDT   WORD COUNT: 309

...million of
Andrea Anti-Noise(TM) headsets over the next two years, and an initial
purchase order under the agreement has been received by Andrea.

     Andrea Anti-Noise(TM) technology significantly enhances **speech**
intelligibility for **voice   command** , **speech** recognition, computer
telephony and multimedia applications. The technology effectively
cancels background noises to enable clear...

 7/3,K/37   (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2006 The Gale Group. All rts. reserv.

07404966   Supplier Number: 62199967   (USE FORMAT 7 FOR FULLTEXT)
**e Banking BEA: Motorola Offers Cell Phone For Credit Cards.(Company
   Business and Marketing)**
Hackett, John
Bank Technology News, v14, n4, p33
April, 2000
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 732

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...Motorola's personal networks group. The Trintech product, called Easy
Pay, enables users to make **purchases** from Internet retailers with **voice
 commands** and the use of a four-digit personal identification number. The
major appeal of Easy...

...Amazon.com, what you will get is a limited feed showing you only their
top **sellers** ." A number of financial service companies are experimenting
with the " **wireless** access protocol," or WAP, a developing standard for
wireless devices, but most of the applications trickling to market are
limited, he adds. "XTML (a...

 7/3,K/38   (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2006 The Gale Group. All rts. reserv.

05261045   Supplier Number: 48016655   (USE FORMAT 7 FOR FULLTEXT)
SAY YES TO SPEECH REC
Peterson, Kerstin
Computer Telephony, p58
Oct, 1997
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1718

...   field operations.
   Other ITT SpeakerKey-based security apps include coded Web access,
phone-based stock **transactions** and credit-card account information.

Wireless . Here, adding **speech** activated **commands** can actually
save lives. In fact, speech-activated dialing apps are being mandated for
cellular...

7/3,K/39 **(Item 3 from file: 16)**
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2006 The Gale Group. All rts. reserv.

04141532   Supplier Number: 46046328   (USE FORMAT 7 FOR FULLTEXT)
WIRELESS LOGIC LICENSES HEXAWAVE TO MANUFACTURE RF TRANSCEIVER FOR WIRELESS
  APPLICATIONS RF Module Available Now for 900MHz Consumer Cordless Phone
  Market
News Release, pN/A
Jan 5, 1996
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 598

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...supported by WLI's wireless chip set include, at the market's low end,
simplex **wireless** products such as security alarms, baby monitors, remote
speakers, intercoms, **transaction** data processing, and portable data
collection. At the upper end, duplex designs address complex solutions...

7/3,K/40 **(Item 4 from file: 16)**
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2006 The Gale Group. All rts. reserv.

01209405   Supplier Number: 41391847   (USE FORMAT 7 FOR FULLTEXT)
Multimedia explosion
Computer Reseller News, p3
June 18, 1990
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 658

...   education;
    sales and information kiosks at which the public can either obtain
information or actually **purchase** merchandise;
    and industrial/scientific operations, such as those at Ford Motor Co.,
where quality-control inspectors use **wireless** headsets and **voice**
commands to communicate problems on the assembly line to a remote
computer.
    "The basic message is...   .

7/3,K/41 **(Item 1 from file: 148)**
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2006 The Gale Group. All rts. reserv.

12163242   SUPPLIER NUMBER: 62063032   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Constant Messengers.(Editorial)
Wireless Review, 17, 8, 5
April 15, 2000
DOCUMENT TYPE: Editorial   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 625   LINE COUNT: 00050

... send you an instant message: "Did you know that the fleece warm-ups are on **sale** ?" Was this really more important than the live **voice** messages you were **retrieving** from home? Or suppose the stock market is suddenly in the toilet. Your money, earmarked...

7/3,K/42   (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2006 The Gale Group. All rts. reserv.

03938537   SUPPLIER NUMBER: 08526929   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Current and future developments in cockpit design.
Geisenheyner, Stefan
Armada International, v13, n3, p52(7)
June-July, 1989
ISSN: 0252-9793   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 4306   LINE COUNT: 00331

...   hand movements, e.g. switching on knobs, etc., should be combined in one single operation **executed** by **voice**   **command** or eye control.
    Throughout industry and research establishments solutions are being sought and experimented with...

7/3,K/43   (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2006 Dialog. All rts. reserv.

10462494
Wireless technology steals the show
Wireless was the buzzword at this year's Spring Internet World in Los
   Angeles, as vendors jostled to roll out their wares.
NEWSWIRE (VNU)
April 07, 2000
JOURNAL CODE: WNEW   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 442

    ... include a deal with Sun Microsystems and Ericsson Telephone, with whom Everypath is developing a **wireless** infrastructure and standards to enable customers to undertake secure internet **transactions** using **wireless** devices.Elsewhere, Oracle's OracleMobile.com subsidiary has enabled its portal website to be accessed by users of **wireless** devices for short messaging. The service is available now and enables anyweb-enabled phone to...

7/3,K/44   (Item 2 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2006 Dialog. All rts. reserv.

08354985 (USE FORMAT 7 OR 9 FOR FULLTEXT)
High-tech gizmos to drive the e-train: Comdex showed off bevy of high-tech
   multi-use gizmos
DAVID AKIN
FINANCIAL POST, p08
November 23, 1999
JOURNAL CODE: FFP   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 635

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   It won't be on North American markets until next year, but Samsung is already **selling** a wristwatch/ **wireless** phone. It measures 67 millimetres by 58 mm by 20 mm and weighs just 39...
?

7/9/5   (Item 3 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2006 Business Wire. All rts. reserv.

00266562 20000427118B6883 (THIS IS THE FULLTEXT)
A Virtual Barista At Your Fingertips; Tully's Coffee Announces Wireless
Point-of-Sale Capability
Business Wire
Thursday, April 27, 2000 09:17 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 748

TEXT:
SEATTLE, Apr 27, 2000 (BUSINESS WIRE) - Tully's Coffee today announced an
agreement with Seattle-based NetCommerce, LLC to introduce Wireless
Blvd(TM)
in select Tully's retail locations on a trial basis.

Wireless Blvd, a new wireless service designed to enhance the ordering and
payment of coffee and pastries, will be available for a limited time to
randomly-selected Tully's customers from several Seattle neighborhoods.

With the service, Tully's customers will be able to order their coffee and
submit payment instantaneously using their wireless phone. Once a customer
has
inputted their order through their wireless phone, the data is immediately
transmitted to a specified Tully's Coffee retail location. When the
customer
arrives at the store, their coffee is ready and waiting, and already paid
for
from the customer's pre-paid account set-up on the World Wide Web. A
detailed
receipt will be attached to the customer's order. Upon conclusion of the
trial, Tully's will determine the feasibility of offering the Wireless Blvd
service at its 134 store locations around the globe.

Wireless Blvd provides for one touch ordering capability from a mobile
phone,
allowing customers to order products and services from a customized
"hotlist"
of merchants and menu items. Wireless Blvd's exclusive wireless merchant
terminal receives an order at the merchant's site within seconds of a
mobile
customer's request. Wireless Blvd users configure their personal menu
selections via the World Wide Web. Merchant and product selections then
appear
as a hotlist on the customer's mobile phone, and a one-touch order menu now
resides in the palm of the customer's hand. Customers can also place orders
using simple voice commands associated with their hotlist. The
SimplySay(TM)
voice portal provided by Parigon Communications Inc. allows any wireless
handset to interface with the **Wireless** Blvd system.

Matt Howe, president of NetCommerce, said, "Wireless Blvd provides an easy
to
use, practical way for consumers to **purchase** everyday products and
services
from the convenience of their mobile phone. Most importantly, it
accelerates
the order taking and fulfillment of the order at the merchant location; we

like to call it jumping to the head of the queue."

Tom O'Keefe, chairman and CEO of Tully's Coffee, said, "We are very excited about this new wireless service and look forward to potentially offering it to
all Tully's customers. We view this trial run as a way to work through any operational issues that may occur, allowing for a seamless roll-out of the Wireless Blvd service to Tully's stores worldwide."
With on-line shopping becoming more popular, and wireless penetration nearing
40% in the United States, and 60% in parts of Asia and Europe, the Wireless Blvd service is a natural extension in the e-commerce revolution. Designed to
provide a convenient way for consumers to conduct everyday transactions --
from banking to picking up last-minute concert tickets, to checking stock prices or grabbing a burger on the go -- Wireless Blvd saves the consumer time
on the most elementary level, while remaining easy to configure and use.

Based in Seattle, NetCommerce, LLC is a leading provider of electronic commerce capabilities across wireless networks. Wireless Blvd supports multiple mobile digital standards including GSM, CDMA, TDMA, CDPD, WAP and has
been constructed to support emerging protocols such as 3G and Bluetooth. NetCommerce, LLC has applied for several patents in association with Wireless
Blvd. For more information about NetCommerce, call 206/264-8300 or visit the
company's Web site at www.netcmrc.com.
Parigon Communications Inc., a division of Authentix Network Inc., located in
Tuscon, Ariz., is a leading provider of voice portal platforms geared toward
Carrier / Operators, ISPs, ASPs and Enterprises. Parigon's SimplySay(TM) platform provides simplified access to Internet content by using intuitive natural language. SimplySay is access-independent, providing "true mobility"
by working with all existing wireless handsets. For more information about Parigon Communications Inc., call 520/323-3280 or visit the company's Web site
at www.parigon.com.

Founded in 1992 by Tom O'Keefe, Tully's Coffee Corporation is the third largest company-owned specialty coffee retailer in the nation. Tully's Coffee
has 134 locations in Washington, California, Idaho, Japan, Singapore, Taiwan
and Sweden. Tully's Coffee corporate headquarters and roasting plant is located in the former Rainier Brewery facility and Seattle landmark at 3100 Airport Way South in Seattle, Wash., USA. For more information, call 800/96-TULLY or visit the company's Web site at www.tullys.com.
Distributed via COMTEX.

-0-

CONTACT: for Tully's Coffee
                Cate Bick/Cory Magnus, 206/682-6979
                cateb@richmondpr.com

```
KEYWORD:           WASHINGTON ARIZONA
INDUSTRY KEYWORD:  E-COMMERCE
                   FOODS/BEVERAGES
                   RESTAURANTS
                   RETAIL
                   TELECOMMUNICATIONS
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7/9/2   (Item 2 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)

01953560 46455577
Can speech recognition give telephones a new face?
Meisel, William
Business Communications Review PP: 18-22 Nov 1999 CODEN: BCORBD   ISSN:
    0162-3885 JRNL CODE: BCR
DOC TYPE: Periodical; Feature LANGUAGE: English RECORD TYPE: Abstract
    LENGTH: 4 Pages
GEOGRAPHIC NAMES: United States; US

DESCRIPTORS: Voice recognition; Applications; Telephones; Technological
    change
CLASSIFICATION CODES: 5250 (CN=Telecommunications systems); 9190 (CN=United
    States)
PRINT MEDIA ID: 23188

ABSTRACT: The use of speech recognition to make automation much more
effective and easy to use is an important trend in telephony. Speech
recognition can transform any telephone - wired or **wireless** - into an
information appliance, that can be used to **retrieve** information and
perform **transactions** . **Speech** recognition - the Voice User Interface for
telephones - is the final key in the coming explosion of telephony
applications. Speech recognition is being used in a wide range of
applications, including: 1. automating call centers, 2. improving IVR
systems, 3. voice attendants, voice dialing and corporate portals, 4.
unified messaging and voice mail, and 5. individual-centered services.
There are at least three reasons why there has been such progress in
speech-recognition capabilities: 1. Recognition accuracy is much better
than it was even two years ago. 2. Cost is down. 3. The development of
dialog-based applications has become less of an art form.

01990638 49009704
Consumer republic
Goldman, Debra
Adweek v41n5 PP: 18 Jan 31, 2000 ISSN: 0199-2864 JRNL CODE: AWE
DOC TYPE: Periodical; Commentary LANGUAGE: English RECORD TYPE: Fulltext
    LENGTH: 1 Pages
WORD COUNT: 763
GEOGRAPHIC NAMES: United States; US

DESCRIPTORS: Consumer electronics; Technological change; Marketing
CLASSIFICATION CODES: 8650 (CN=Electrical & electronics industries); 9190
    (CN=United States); 7000 (CN=Marketing)
PRINT MEDIA ID: 15223

ABSTRACT: A commentary bemoans the extremes to which the technology of
consumer electronics appear to be headed, raising the question of whether
marketing makes people want things they do not want or need.

TEXT: High-tech wizardry may ultimately belong to marketers

There's a recent spot from IBM that has haunted me since I saw it. It is
part of an image campaign that gives us a peek at what lies beyond the
horizon of the wild, wired future.

The ad opens on our hero, slumped on a bench in Venice's St. Mark's Square,
maniacally shouting nonsensical syllables across the eerily empty piazza.

No, he's not a schizophrenic tourist who forgot his meds back at the hotel.
A close-up reveals this apparent psychotic episode is, in fact, business as
usual: The guy is blurting **commands** at his **wireless** , wearable, **voice**
-activated computer as its tiny screen displays-what else?-stock quotes a
few inches from his twitching eyeball. "Up! Down! **Buy** !" he barks, much to
the alarm of the square's trademark pigeons.

I assume the ad is meant to MIll us with happy anticipation for the day
when we, too, can sit in the shadow of one of the world's architectural
wonders and conduct business as if we never left the office. To be frank,
I'm with the pigeons on this one.

I'm no Luddite, yet my heart sinks at the thought of a dystopia in which we
roam global streets muttering to ourselves like halfwayhouse escapees and
every place looks the same. What makes it more chilling is that IBM is
right: Schizoid Future Guy is coming, and ain't nothing gonna stop him.
I get the same sinking feeling when I read the reports from the big January
trade shows. At the auto show in Detroit, as car makers rush to produce
hundreds of thousands of talking cars by year's end, Ford revealed its 24.7
concept: voiceactivated cars in which drivers can manage their e-mail on
the road.

The International Builders Show featured prototypes of ovens that ask the
size of your roast and refrigerators that connect to the Internet. For some
reason, no one has yet come up with the one innovation that would truly
reflect our modern lifestyle: a stove that makes dinner reservations. But
never fear. With one of those satellite-linked navigation systems, your car
can do it.

All this culminates in the mother of intelligent connectivity: the smart

house. At this year's Consumer Electronics Show, home networking was the big story, attracting a record number of exhibitors. The smart home, coming to an upscale development near you, is run by a fully networked computer that can control everything from the volume of your home theater to the thermostat to the bathroom lights.

Needless to say, there's an added benefit to having networked toasters and online freezers. Every tuna casserole and medium-rare steak you and your appliances cook up will leave a trail of digital crumbs for marketers to track, the better to send coupons to your refrigerator.

Like IBM's Erewhon on the Adriatic, smart cars, appliances and houses are inevitable. Which raises the eternal question: Does marketing make people want things they don't want or need?

Surely, no one needs a computer to raise and lower their shades or a refrigerator that measures a packaged good's sodium content. (I speak as one who paid a premium for a dishwasher with extra controls that I never use. The "fine china" cycle? Who was I kidding?)

Even the people at MIT's Media Lab who invent this stuff admit that a microwave that talks to a refrigerator is technology looking for a reason to be. Moreover, few people in our VCR-challenged nation are equipped to handle this technological oasis. Indeed, the development of smart technology raises the issue of whether consumers' buying decisions can be unduly influenced.

Does anyone really look forward to the day when he can experience, in the comfort of his own home, the workday frustration of waiting for the MIS team to fix the downed computer system?
True, it's convenient to be able to de-ice the driveway while sitting on the beach in a subtropical clime. Yet there is something counterintuitive about turning your life at home into a glitch-magnet just so you can manage the house while you're away.

Besides, there is a low-tech, low-cost way to watch your house while you are out of town-or at least there used to be. It's called neighbors.

So who needs and wants this stuff? The people who make it, of course. Our machines have reached such high levels of mechanical efficiency and utility, there's little reason to upgrade. So will we get smart machines whether we want them or not?

Just more proof that consumers make choices, but not under conditions of their own choosing.

04662881   Supplier Number: 62199967   (THIS IS THE FULLTEXT)
e Banking BEA: Motorola Offers Cell Phone For Credit Cards.
Hackett, John
Bank Technology News, v14, n4, p33
April, 2000
ISSN: 1060-3506
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 732
TEXT:

 Wireless access to the Internet is seen as the next frontier, a "mass
market on a scale unprecedented," according to Joseph Marino, an analyst
for Internet commerce at Current Analysis, Sterling, VA. Worldwide, there
are about 1 million mobile phones with Internet access, but according to
Jupiter Communications Inc., New York, this will grow to 80 million in
2003. Some 200 million personal computers today are connected to the
Internet. To spur adoption of browser-based phones, Motorola Inc., the
Schaumburg, IL, wireless technology provider, has introduced a mobile phone
that uses a "virtual credit card" developed by Trintech. Motorola " aims to
make the mobile phone as important to electronic commerce as the PC is
now," says Laurence John, London-based director of mobile e-commerce for
Motorola's personal networks group. The Trintech product, called Easy Pay,
enables users to make **purchases** from Internet retailers with **voice
commands** and the use of a four-digit personal identification number. The
major appeal of Easy Pay is that it obviates the need for consumers to key
in order information, which is important in shopping online using a cramped
mobile phone keypad. On a personal computer, the virtual credit card will
appear as a small image of the consumer's credit card, with their 16-digit
card number and other personal information stored on a server, which is
invoked by dragging and dropping the icon over the payment page. Discover
Financial Services Inc., the credit card unit of Morgan Stanley Dean Witter
& Co., New York, recently tapped Trintech to supply the technology for
posting icons of Discover cards on customers' PCs. An innovative feature of
the system is that the icon remains on the screen as the consumer moves
from one Web site to another. Motorola phones will come configured with the
names or symbols of a limited number of participating retailers. To launch
the voice service, consumers will scroll down the list, highlight a
retailer's name and hit the "talk" button, which will invoke voice messages
from the merchant's site helping them find the desired item. When ready to
make a purchase, the person will enter a four-digit PIN, with the Trintech
system taking the customer's details-billing and shipping address, and
credit card number-and "populating" the payment pages of the retailer.
Martin notes, however, that none of the customer's details are actually on
the phone or the PC, but are stored instead on a remote server. Dublin,
Ireland-based Trintech, whose U.S. office is in San Mateo, CA, has "moved
away from the wallet concept," he adds. "We embraced the concept of a
virtual credit card, which is a much thinner, easier-to-install
application." According to Marino, the payment in an online transaction is
almost always handled offline, with back-room staff manually keying in the
information. Trintech, on the other hand, has developed the technology "to
be able to interface the Internet and these private financial networks of
card processors and...issuing and acquiring banks," he explains. Although
the deal between Motorola and Trintech may ultimately benefit both
companies, telephone-enabled Internet commerce remains embryonic. "Shopping
over the wireless Web is primitive at best," Marino says. "When you use
your cell phone to shop at Amazon.com, what you will get is a limited feed
showing you only their top **sellers** ." A number of financial service

companies are experimenting with the " wireless access protocol," or WAP, a developing standard for wireless devices, but most of the applications trickling to market are limited, he adds. "XTML (a sister of HTML), which is the mobile phone language is still-I hate to use the word primitive-but it is still emerging," Martin concedes. "You need to have a relationship with the cell phone operator if you are a retailer. Right now it's going to be a limited number of merchants on the phones-there's no question about it. But...in a short time all of the applications that you associate with the Internet will be available on cell phones. You will be able to type in 'www' and shop wherever you want," Martin says. According to John of Motorola, going after wireless e-commerce is a response to thinning profit margins. "Revenue per user is reducing for the operator," he says. If the company's customers start "buying tickets and books and whatever with the mobile phone, potential for increased revenue over and above voice calls is big." - John Hackett

PUBLISHER NAME: American Banker-Bond Buyer
COMPANY NAMES: *Amazon.com Inc.; Motorola Inc.; Trintech
INDUSTRY NAMES: BANK (Banking, Finance and Accounting); BUSN (Any type of business); CMPT (Computers and Office Automation)
TICKER SYMBOLS: AMZN; MOT
?

```
Set      Items    Description
S1      322946    VOICE? ? OR AUDIO? ? OR SPEECH??
S2        2949    S1(5N)(RETRIEV??? OR REPRODUC? OR COMMAND? ?)
S3          78    S2(S)(WIRELESS? OR WIRE()LESS??)
S4          45    S3 NOT PY>2000
S5          27    S4 NOT PD=20000629:20040629
S6          27    RD   (unique items)
File   35:Dissertation Abs Online 1861-2006/Jun
          (c) 2006 ProQuest Info&Learning
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          (c) 2002 The Gale Group
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          (c) 2006 The HW Wilson Co.
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6/5/1   (Item 1 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
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09252549
Auto Makers See Area as Major Source of Income
  US: FORD JOINS WITH SPRINT IN INTERNET RACE
Wall Street Journal Europe (WSJ)   15 Mar 2000 p.4
Language: ENGLISH

US-based   car   maker,   Ford   Motor,   is   joining   with   Sprint,   the   US
telecommunications   group,   in   order   to   expand   its   services.   The   car   company
will   provide   consumers   with   the   facility   to   plug   a   phone   into   the   car   and
communicate on the Internet using Sprint's **voice   command** system. Sprint
will   provide   the   digital   **wireless**   network,   except   in   areas   where
reception   is   bad   and   in   this   case   a   switch   to   analogue   will   be   made.   The
Internet   service   provided   is   limited   to   Sprint's   digital   service   areas.
Sprint hopes to increase the amount of people that subscribe to the service
and   in   return,   Ford   will   receive   a   share   of   the   subscription   fees.   Equity
is not believed to be a consideration.

COMPANY: SPRINT; FORD MOTOR

PRODUCT: Motor Vehicle Parts (3714); Motor Vehicles & Parts (3710);
     Telephone Communications (4811); Telecommunications (4810);
EVENT: Company Formation (14);
COUNTRY: United States (1USA);

 6/5/2   (Item 2 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
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09225193
GE Unveils Concept 'Smart' Appliances at NAHB
  US: GE UNVEILS SMART DOMESTIC APPLIANCES
Press release (GE) (PRS)   14 Jan 2000 p.e
Language: ENGLISH

At   the   National   Association   of   Home   Builders   trade   show   in   Dallas,   GE
presented   prototypes   of domestic appliances that have computer processing
capability,   that   are   networked   and   that   can be controlled from remote
locations.   Among them are: A voice-activated Advantium oven with Speedcook
technology   that recognizes and responds to **voice   commands** , understands
250   regional   accents,   and   can   learn   new   languages. A web-enabled and
networked   refrigerator   with   **wireless**   portable web allows consumers to
access the Internet, as well as monitor and control all appliances and home
electronics.   A microwave oven that reads Universal Product Codes (UPC) and
then automatically sets the proper cooking cycle, detects ingredients which
consumers may be allergic to, and displays the calorie content of the dish.

PRODUCT: Refrigerators & Freezers (3632); Cookers (3631CO); Microwave
     Ovens (3631MO);
EVENT: Research & Development Activity (45); General Management Services
  (26);
COUNTRY: United States (1USA);

 6/5/3   (Item 3 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

09038168
Car computer to debut
  US: CLARION TO SELL AUTO COMPUTER
The Nikkei Weekly (NW)   14 Dec 1998   p.6
Language: ENGLISH

Clarion Co of Japan   intends to launch its Clarion AutoPC, an automobile
computer that supports Microsoft's Windows CE2 operating system, in the US
in January 1999. The device has **voice - command** activation and **speech**
synthesis that enable a driver to receive and listen to e-mail without
having to turn away from the road. It also combines functions such as
car-audio, navigation, **wireless** -communications and computing.

COMPANY: CLARION

PRODUCT: Auto Electrical Equip (3694);
EVENT: Product Design & Development (33);
COUNTRY: Japan (9JPN); United States (1USA);

  6/5/4   (Item 4 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

09010165
This computer fits into a car and lets you e-mail
  SINGAPORE: CAR COMPUTER FROM GPS TECHNOLOGIES
The Straits Times (XBB)   29 Oct 1998   p.34
Language: ENGLISH

GPS Technologies of Singapore has developed Searcher1, believed to the
world's first car computer that incorporates a navigation system. Searcher1
features a 8.4 gigabyte hard disk, a modem, CD-ROM and floppy disk drives,
a small microphone for **voice commands** , an infrared **wireless** computer
keyboard and a touch screen monitor with pointer pen. The computer runs
Microsoft Windows 95 and allows users to surf the Internet, send e-mail, do
word processing, play computer games and even sing karaoke. GPS
Technologies is keen to market Searcher1 in cities such as Bangkok and
Kuala Lumpur, where traffic is heavy. It is also in talks with several car
makers. Searcher1 is priced at S$ 5,600 for a unit with Internet and e-mail
capabilities, and each additional screen costs S$ 800 or S$ 1,000 for a
touch screen.

COMPANY: GPS TECHNOLOGIES
PRODUCT: Auto Electrical Equip (3694); Motor Vehicles & Parts (3710);
    Microcomputers (3573MI); Navigation Systems (3662NS);
EVENT: Product Design & Development (33);
COUNTRY: Singapore (9SIN);

  6/5/5   (Item 5 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

06572518
Computer makers rush to develop PCs for cars
  SOUTH KOREA: SAMSUNG INNOVATES AUTO PC
The Korea Herald (XBF)   15 Jan 1998   P.7
Language: ENGLISH

South Korea's Samsung Electronics Corp has developed the InfoVehicle AutoPC, an auto PC, together with two other mobile computing products, the InfoGear wallet PC and SCS-100 SmartPhone. The new PC is based on a Microsoft-developed platform, which uses Windows CE 2.0 operating software. It operates on a 32-bit RISC (reduced instruction set computing) processor, which is powerful enough to accept **voice commands** and translate text messages to a synthesised voice output. The auto PC can distinguish around 200 **voice commands**, convert text-based paging into **voice** messages and support communication with cellular phones. It also features 8MB (megabytes) of basic memory, which can be expanded through a detachable memory card and a LCD screen with a resolution of 256 by 64. It can give the driver many on-the-road conveniences, including a navigation system, database access, telephone capabilities, transmission of **wireless** data to the vehicle and car safety. The company intends to release its auto PC in the first half of 1998, but mass production should only begin in the second quarter of 1999. Its auto PC will be priced at US$ 900.

COMPANY: SAMSUNG ELECTRONICS

PRODUCT: Motor Vehicles & Parts (3710); Computers & Auxiliary Equip (3573);
EVENT: Product Design & Development (33);
COUNTRY: South Korea (9SOK);

6/5/6   (Item 6 from file: 583)
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06197757
One 2 One drops free calls deal
  UK: NEW TARIFF PACKAGES FOR ONE 2 ONE
The Independent (TI)   06 Sep 1995   p.19
Language: ENGLISH

As part of its medium-term strategy, Mercury One 2 One, the UK mobile telephone operator owned by Cable & **Wireless** and US West, has decided to launch new tariff packages on 18 September 1995, scrapping free local calls except during week-ends, despite the promise made by Lord Young, chairman of Cable & **Wireless** according to which free local calls were here to stay. However, under the new strategy, the company will separate the sale of the telephones from the sale of the smart card which contains the identity of the users. Mercury One 2 One will launch a free **voice** mail **retrieval** service and will decrease peak rate call charges while the off-peak period will start earlier, at 6pm. Nevertheless, monthly fees will be increased.

COMPANY: CABLE & WIRELESS; US WEST; MERCURY ONE 2 ONE

PRODUCT: Cellular Radio Services (4811CR); Voice Messaging (4811VM);
EVENT: Product Design & Development (33); Commodity & Service Prices (72); Marketing Procedures (24);
COUNTRY: United Kingdom (4UK);

6/5/7   (Item 7 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
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05346569
GTE Field Tests Modified CD-I, Wireless Phone
  US - GTE TO FIELD TEST INTERACTIVE VIDEO AND WIRELESS PHONE
This Week In Consumer Electronics (TWE)   7 September 1992 p3,55
ISSN: 0892-7278

GTE is to field test two new technologies, interactive video and **wireless**
personal communications. In partnership with Oki Electric, AT&T and
Northern Telecom, GTE will sign on 3k customers for its Tele-Go, beginning
in September 1992 and continuing into 1993. Customers will be able to
choose from two different types of service and will use modified cellular
Oki handsets. The first service provides customers with cordless service at
home together with cellular-like mobility within the limited local area,
while the other limits the mobile service to outgoing calls. With the
second service incoming calls are directed to a **voice** mail service for
subsequent **retrieval** . In October 1992, GTE will team up with the
Discovery Channel to provide 70 homes in Cerritos, CA, with interactive
cable programming. An encoded signal will be included on the shows,
enabling viewers to call up related information stored on a CD-Interactive
disk. The test will involve the use of modified CD-I players from Philips.
COMPANY: GTE; OKI ELECTRIC; PHILIPS

PRODUCT: Mobile Communications Equipment (3662MB);
EVENT: NEW SERVICE DEVELOPMENT (36);
COUNTRY: United States (1USA); NATO Countries (420); South East Asia
    Treaty Organisation (913);

  6/5/8   **(Item 1 from file: 2)**
DIALOG(R)File   2:INSPEC
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07760700   INSPEC Abstract Number: B2000-12-6130-066, C2000-12-5260S-081
  Title: Speech and language processing for next-millennium communications
services
  Author(s): Cox, R.V.; Kamm, C.A.; Rabiner, L.R.; Schroeter, J.; Wilpon,
J.G.
  Author Affiliation: AT&T Labs. Res., Florham Park, NJ, USA
  Journal: Proceedings of the IEEE   vol.88, no.8   p.1314-37
  Publisher: IEEE,
  Publication Date: Aug. 2000 Country of Publication: USA
  CODEN: IEEPAD ISSN: 0018-9219
  SICI: 0018-9219(200008)88:8L.1314:SLPN;1-G
  Material Identity Number: P019-2000-008
  U.S. Copyright Clearance Center Code: 0018-9219/2000/$10.00
  Document Number: S0018-9219(00)08101-9
  Language: English   Document Type: Journal Paper (JP)
  Treatment: Bibliography (B); General, Review (G)

  Abstract: In the future, the world of telecommunications will be vastly
different than it is today. The driving force will be the seamless
integration of real time communications (e.g. voice, video, music, etc.)
and data into a single network, with ubiquitous access to that network
anywhere, anytime, and by a wide range of devices. The only currently
available ubiquitous access device to the network is the telephone, and the
only ubiquitous user access technology mode is spoken **voice   commands**
and natural language dialogues with machines. In the future, new access
devices and modes will augment speech in this role, but are unlikely to
supplant the telephone and access by speech anytime soon. Speech
technologies have progressed to the point where they are now viable for a
broad range of communications services, including: compression of speech
for use over wired and **wireless** networks; speech synthesis, recognition,

and understanding for dialogue access to information, people, and messaging; and speaker verification for secure access to information and services. The paper provides brief overviews of these technologies, discusses some of the unique properties of **wireless** , plain old telephone service, and Internet protocol networks that make voice communication and control problematic, and describes the types of voice services available in the past and today, and those that we foresee becoming available over the next several years. (81 Refs)

   Subfile: B C

   Descriptors: bibliographies; computer telephony integration; data compression; interactive systems; Internet; natural language interfaces; real-time systems; speech processing; speech recognition; speech synthesis; technological forecasting; voice communication

   Identifiers: language processing; next-millennium communications services ; telecommunications; seamless integration; real time communications; ubiquitous access device; telephone; ubiquitous user access technology mode ; spoken voice commands; natural language dialogues; speech technologies; speech compression; wireless networks; speech synthesis; dialogue access; speech recognition; speaker verification; secure access; plain old telephone service; Internet protocol networks; voice communication; voice services; speech processing

   Class Codes: B6130 (Speech and audio signal processing); B6120B (Codes); B6210D (Telephony); C5260S (Speech processing techniques); C1250C (Speech recognition); C6180N (Natural language processing); C5585 (Speech recognition and synthesis equipment); C7210N (Information networks); C7410F (Communications computing)

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07735106   INSPEC Abstract Number: B2000-11-6130E-036, C2000-11-5260S-033

   Title: **Hybrid system for robust recognition of noisy speech based on evolving fuzzy neural networks and adaptive filtering**

   Author(s): Kasabov, N.; Iliev, G.

   Author Affiliation: Dept. of Inf. Sci., Otago Univ., Dunedin, New Zealand

   Conference Title: Proceedings of the IEEE-INNS-ENNS International Joint Conference on Neural Networks. IJCNN 2000. Neural Computing: New Challenges and Perspectives for the New Millennium   Part vol.5   p.91-6 vol.5

   Editor(s): Amari, S-I; Giles, C.L.; Gori, M.; Piuri, V.

   Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

   Publication Date: 2000 Country of Publication: USA   6 vol.(xxxvii+371+xxxvi+313+679+630+669+659) pp.

   ISBN: 0 7695 0619 4   Material Identity Number: XX-2000-01710

   U.S. Copyright Clearance Center Code: 0 7695 0619 4/2000/$10.00

   Conference Title: Proceedings of IEEE-INNS-ENNS International Joint Conference on Neural Networks

   Conference Sponsor: IEEE Neural Network Council; Int. Neural Netowrks Soc.; Eur. Neural Network Soc.; Japanese Neural Network Soc.; AEI - Italian Assoc. Electr. & Electron. Eng.; SIREN - Italian Assoc. Neural Netowrks; AI*IA - Italian Assoc. Artifical Intelligence

   Conference Date: 24-27 July 2000   Conference Location: Como, Italy

   Language: English   Document Type: Conference Paper (PA)

   Treatment: Practical (P); Theoretical (T)

   Abstract: Speech and signal processing technologies need new methods that deal with the problems of noise and adaptation in order for these technologies to become common tools for communication and information processing. This paper is concerned with a method and a system for adaptive speech recognition in a noisy environment (ASN). A system based on the

described method can store words and phrases spoken by the user and subsequently recognize them when they are pronounced as connected words in a noisy environment. The method guarantees system robustness in respect to noise, regardless of its origin and level. New words, pronunciations, and languages can be introduced to the system in an incremental, adaptive mode. The method and system are based on novel techniques recently created by the authors, namely: adaptive noise suppression, and evolving connectionist systems. Potential applications are numerous, e.g. voice dialling in a noisy environment, **voice command** control, improved **wireless** communications, data entry into databases, helping disabled people, multimedia systems, improved human computer interaction. The method and system are illustrated on the recognition of English and Italian spoken digits in different noisy environments. (11 Refs)

    Subfile: B C

    Descriptors: adaptive filters; evolutionary computation; filtering theory; fuzzy neural nets; learning (artificial intelligence); noise; speech recognition; stability

    Identifiers: robust recognition; evolving fuzzy neural networks; adaptive filtering; noisy speech processing; signal processing; communication; information processing; adaptive speech recognition; ASN; adaptive noise suppression; evolving connectionist systems; voice dialling; voice command control; wireless communications; data entry; databases; disabled person aids; multimedia systems; human computer interaction; English spoken digits; Italian spoken digits

    Class Codes: B6130E (Speech recognition and synthesis); C5260S (Speech processing techniques); C1250C (Speech recognition); C5290 (Neural computing techniques); C1230D (Neural nets); C1260S (Signal processing theory); C1230L (Learning in AI); C1240 (Adaptive system theory)

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07703433   INSPEC Abstract Number: B2000-10-6250F-223, C2000-10-5620W-071
   Title: **MYMAR, a new mobile yellow page messaging and retrieval, the advent of the local wireless Internet**

   Author(s): Elhakeem, A.K.
   Author Affiliation: Dept. of Electr. & Comput. Eng., Concordia Univ., Montreal, Que., Canada
   Conference Title: 2000 Canadian Conference on Electrical and Computer Engineering. Conference Proceedings. Navigating to a New Era (Cat. No.00TH8492)   Part vol.2   p.1014-17 vol.2
   Editor(s): Creighton, R.W.; Ilow, J.
   Publisher: IEEE, Piscataway, NJ, USA
   Publication Date: 2000 Country of Publication: USA   2 vol. (xliii+1211) pp.
   ISBN: 0 7803 5957 7   Material Identity Number: XX-2000-01364
   U.S. Copyright Clearance Center Code: 0 7803 5957 7/2000/$10.00
   Conference Title: 2000 Canadian Conference on Electrical and Computer Engineering Conference Proceedings. Navigating to a New Era
   Conference Sponsor: IEEE Canada; IEEE Canadian Atlantic Sect
   Conference Date: 7-10 March 2000   Conference Location: Halifax, NS, Canada
   Language: English   Document Type: Conference Paper (PA)
   Treatment: Applications (A); New Developments (N); Practical (P)
   Abstract: The reallocation of point to point microwave systems operating in many bands in the GHz region to fiber optic, satellite or other frequencies has paved the way to new frontiers, whereby both fixed and mobile personal communications and miscellaneous commercial applications

would be accommodated. However, mutual interference and frequent outages may be so destructive and not known nor predictable in advance especially during the migration process for mobile applications in these LOS based UL bands. We envision new distributed access communications systems without: base stations, cellular structure, backbone PSTN, or otherwise, operating in these unlicensed bands. This entails the design of new modulation, access, and routing techniques. A multitude of codulation, TDMA, slow frequency hopping, direct sequence, carrier sense, adaptive and GPS driven dynamic routing techniques, the most effective spanning tree algorithms, and configurations will be devised to provide frequency and space agility, adequate error performance and to alleviate network congestion. Roaming and forwarding data base optimization are important items for research as well. The major application herein is MYMAR, a new mobile yellow page messaging and retrieval system. In this system, hotels, restaurants, all kinds of road services, hospitals, police, stores... all faces of activities would transmit their GPS location followed by a short commercial message, and the region digital map to travelers, dwellers...etc., to enable them to quickly determine the locations of intended services and easily guide them easily to destination. The receiver detects all such messages, stores, and sorts them by activity for subsequent **retrieval** , via a user friendly, **voice** recognition based **command** system. Services include short messaging, paging, SOS, transportation fleet management commands, among other non-real time 2 way services. The distributed and inherently broadcast **wireless** environment and the service type (non-real time) shapes the codulation, access, routing...etc. techniques. (0 Refs)

   Subfile: B C
   Descriptors: Global Positioning System; information retrieval; Internet; microcellular radio; paging communication; personal communication networks; radio networks; spread spectrum communication
   Identifiers: mobile yellow page messaging; mobile yellow page retrieval; local wireless Internet; MYMAR; mobile personal communications; mutual interference; LOS based UL bands; distributed access communications systems ; unlicensed bands; modulation; adaptive routing; access techniques; codulation; TDMA; slow frequency hopping; direct sequence; carrier sense; GPS driven dynamic routing; spanning tree algorithms; space agility; frequency agility; forwarding data base optimization; roaming; short commercial message; digital map; voice recognition based command system; short messaging; paging; transportation fleet management commands; broadcast wireless environment; microcells
   Class Codes: B6250F (Mobile radio systems); B6210L (Computer communications); B6250G (Satellite communication systems); B6330 (Radionavigation and direction finding); C5620W (Other computer networks); C7210N (Information networks)
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07697419   INSPEC Abstract Number: B2000-10-0100-062, C2000-10-6130M-032
   Title: 2000 IEEE International Conference on Multimedia and Expo. ICME2000. Proceedings. Latest Advances in the Fast Changing World of Multimedia (Cat. No.00TH8532)
   Part vol.1
   Publisher: IEEE, Piscataway, NJ, USA
   Publication Date: 2000 Country of Publication: USA   3 vol. xxxv+17778 pp.
   ISBN: 0 7803 6536 4   Material Identity Number: XX-2000-01724
   U.S. Copyright Clearance Center Code: 00/$10.00
   Conference Title: Proceedings of International Conference on Multimedia

and Expo
Conference Date: 30 July-2 Aug. 2000   Conference Location: New York, NY, USA
Language: English   Document Type: Conference Proceedings (CP)

Abstract: The following topics were dealt with: multimedia; education; collaborative networking applications; coding; image **retrieval** ; authoring; virtual reality; **audio** processing; streaming video; user interfaces; data hiding; face video analysis and synthesis; speech processing; security; perceptual interface; feature extraction; Web **retrieval** ; feature representation; quality of service; **audio retrieval** ; **wireless** multimedia; video on demand; error control; videoconferencing; virtual reality; synchronisation; and indexing.

Subfile: B C
Descriptors: multimedia systems
Identifiers: multimedia; education; collaborative networking applications ; coding; image retrieval; authoring; virtual reality; audio processing; streaming video; user interfaces; data hiding; face video analysis; speech processing; security; perceptual interface; feature extraction; Web retrieval; feature representation; quality of service; audio retrieval; wireless multimedia; video on demand; error control; videoconferencing; synchronisation; indexing
Class Codes: B0100 (General electrical engineering topics); B6210R (Multimedia communications); B6100 (Information and communication theory); C6130M (Multimedia); C5260 (Digital signal processing)

6/5/12   (Item 5 from file: 2)

07566721   INSPEC Abstract Number: B2000-05-7930-074, C2000-05-7150-046
Title: **Extended Littoral Battlespace (ELB) secure network voice gateway**
Author(s): Adamson, R.B.; Moran, T.; Cole, R., Jr.; McBeth, M.S.
Author Affiliation: Newlink Global Eng. Inc., Springfield, VA, USA
Conference Title: MILCOM 1999. IEEE Military Communications. Conference Proceedings (Cat. No.99CH36341)   Part vol.2   p.1388-91 vol.2
Publisher: IEEE, Piscataway, NJ, USA
Publication Date: 1999 Country of Publication: USA   2 vol. xxxv+1499 pp.
ISBN: 0 7803 5538 5   Material Identity Number: XX-2000-00001
U.S. Copyright Clearance Center Code: 0 7803 5538 5/99/$10.00
Conference Title: Proceedings of Conference on Military Communications (MILCOM'99)
Conference Date: 31 Oct.-3 Nov. 1999   Conference Location: Atlantic City, NJ, USA
Language: English   Document Type: Conference Paper (PA)
Treatment: Applications (A); Practical (P)

Abstract: The Extended Littoral Battlespace (ELB) Advanced Concept Technology Demonstration (ACTD) uses **wireless** local area network (LAN) technology to provide US Marines in the field with multimedia connectivity to shore-based and afloat **command** and control centers. Computer network **voice** communication services are being evaluated and demonstrated as part of the ELB project. A gateway is needed for network voice users to communicate with users on other tactical voice and military telephone systems. We describe a scalable network voice gateway based on commercial off-the-shelf technology to be demonstrated as part of the ELB ACTD. Concepts for future capabilities and design issues are also discussed. (4 Refs)

Subfile: B C

9

Descriptors: internetworking; marine systems; military communication; military computing; multimedia communication; telecommunication security; telephony; voice communication; wireless LAN

Identifiers: Extended Littoral Battlespace; secure network voice gateway; Advanced Concept Technology Demonstration; wireless local area network; wireless LAN technology; US Marines; multimedia connectivity; command and control centers; computer network voice communication services; ELB project ; tactical voice system; military telephone system; scalable network voice gateway; commercial off-the-shelf technology; US Navy

Class Codes: B7930 (Military communications); B6210L (Computer communications); B6210D (Telephony); B6250 (Radio links and equipment); B6210R (Multimedia communications); C7150 (Military computing); C5620L (Local area networks)

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07370498   INSPEC Abstract Number: B1999-11-6130C-016, C1999-11-5260S-029
Title: **An improved residual-domain phase/amplitude model for sinusoidal coding of speech at very low bit rates: a variable rate scheme**
Author(s): Ahmadi, S.
Author Affiliation: Nokia Mobile Phones Inc., San Diego, CA, USA
Conference Title: 1999 IEEE International Conference on Acoustics, Speech, and Signal Processing. Proceedings. ICASSP99 (Cat. No.99CH36258)
Part vol.4   p.2291-4 vol.4
Publisher: IEEE, Piscataway, NJ, USA
Publication Date: 1999 Country of Publication: USA   6 vol. (lxiii+3584) pp.
ISBN: 0 7803 5041 3   Material Identity Number: XX-1999-00747
U.S. Copyright Clearance Center Code: 0 7803 5041 3/99/$10.00
Conference Title: 1999 IEEE International Conference on Acoustics, Speech, and Signal Processing. Proceedings. ICASSP99
Conference Sponsor: IEEE; Signal Process. Soc
Conference Date: 15-19 March 1999   Conference Location: Phoenix, AZ, USA
Language: English   Document Type: Conference Paper (PA)
Treatment: Theoretical (T); Experimental (X)

Abstract: An improved harmonic sinusoidal model is presented, where the underlying sine wave amplitudes and phases are efficiently represented using a combination of linear prediction, linear phase alignment, all-pass filtering, and spectral sampling in the residual-domain. The analysis and synthesis systems are introduced and the derivation and encoding of each model parameter is discussed. Performance analysis on a large database indicates effective modeling of the sinusoidal parameters. A variable-rate sinusoidal coder operating at an average bit rate of 1.75 kbps, based on the proposed model, has been developed, yielding **reproduced speech** of good quality, intelligibility, and naturalness. The proposed model may find applications in low bit rate speech coding in high capacity **wireless** communication systems. (12 Refs)

Subfile: B C
Descriptors: all-pass filters; filtering theory; linear predictive coding ; signal sampling; spectral analysis; speech coding; speech intelligibility
Identifiers: residual-domain phase/amplitude model; sinusoidal coding; harmonic sinusoidal model; sine wave amplitudes; sine wave phases; linear prediction; linear phase alignment; all-pass filtering; spectral sampling; residual-domain; analysis systems; synthesis systems; model parameter; performance analysis; database; sinusoidal parameters; variable-rate sinusoidal coder; average bit rate; speech quality; speech intelligibility;

speech naturalness; low bit rate speech coding; high capacity wireless
communication systems; 1.75 kbit/s
   Class Codes: B6130C (Speech and audio coding); B6140B (Filtering methods
in signal processing); C5260S (Speech processing techniques)
   Numerical Indexing: bit rate 1.75E+03 bit/s
   Copyright 1999, IEE

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07370490   INSPEC Abstract Number: B1999-11-6130E-024, C1999-11-5260S-028
   Title: Speech-enabled information retrieval in the automobile environment
   Author(s): Muthusamy, Y.; Agarwal, R.; Yifan Gong; Viswanathan, V.
   Author Affiliation: DSP Solutions R&D Center, Texas Instrum. Inc.,
Dallas, TX, USA
   Conference Title: 1999 IEEE International Conference on Acoustics,
Speech, and Signal Processing. Proceedings. ICASSP99 (Cat. No.99CH36258)
Part vol.4   p.2259-62 vol.4
   Publisher: IEEE, Piscataway, NJ, USA
   Publication Date: 1999 Country of Publication: USA   6 vol.
(lxiii+3584) pp.
   ISBN: 0 7803 5041 3   Material Identity Number: XX-1999-00747
   U.S. Copyright Clearance Center Code: 0 7803 5041 3/99/$10.00
   Conference Title: 1999 IEEE International Conference on Acoustics,
Speech, and Signal Processing. Proceedings. ICASSP99
   Conference Sponsor: IEEE; Signal Process. Soc
   Conference Date: 15-19 March 1999   Conference Location: Phoenix, AZ,
USA
   Language: English   Document Type: Conference Paper (PA)
   Treatment: Applications (A); Practical (P)
   Abstract: With the advances in speech recognition and wireless
communications, the possibilities for information access in the automobile
have expanded significantly. We describe four system prototypes for (i)
voice -dialing, (ii) Internet information **retrieval** -called InfoPhone,
(iii) **voice** e-mail, and (iv) car navigation. These systems are designed
primarily for hands-busy, eyes-busy conditions, use speaker-independent
speech recognizers, and can be used with a restricted display or no display
at all. The voice-dialing prototype incorporates our hands-free speech
recognition engine that is very robust in noisy car environments (1% WER
and 3% string error rate on the continuous digit recognition task at 0 db
SNR). The InfoPhone, voice e-mail, and car navigation prototypes use a
client-server architecture with the client designed to be resident on a
phone or other hand-held device. (9 Refs)
   Subfile: B C
   Descriptors: application program interfaces; automobiles; cellular radio;
client-server systems; electronic mail; information retrieval; Internet
telephony; natural language interfaces; radionavigation; speech recognition
; telephone sets; voice mail
   Identifiers: speech-enabled information retrieval; automobile environment
; speech recognition; wireless communications; information access;
voice-dialing; Internet information retrieval; InfoPhone; voice e-mail; car
navigation; speaker-independent speech recognizers; voice-dialing prototype
; hands-free speech recognition engine; noisy car environments; string
error rate; continuous digit recognition task; client-server architecture;
hand-held device; SNR; GPS; cellular telephone
   Class Codes: B6130E (Speech recognition and synthesis); B6210D (Telephony
); B6210L (Computer communications); B6210G (Electronic mail); B6330 (
Radionavigation and direction finding); B6250F (Mobile radio systems);
C5260S (Speech processing techniques); C7250R (Information retrieval

techniques); C6180N (Natural language processing); C5620W (Other computer networks)
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6/5/15   (Item 8 from file: 2)
DIALOG(R)File   2:INSPEC
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07318811   INSPEC Abstract Number: B1999-09-6210-012
 Title: **Manageable messages [unified messaging]**
   Author(s): Tarabour, R.; Smith, R.M.
   Author Affiliation: Telcordia Technol. Inc., Morristown, NJ, USA
   Journal: Telephony   vol.236, no.23   p.244, 246, 248
   Publisher: PRIMEDIA Intertec,
   Publication Date: 7 June 1999 Country of Publication: USA
   CODEN: TLPNAS ISSN: 0040-2656
   SICI: 0040-2656(19990607)236:23L.244:MMUM;1-X
   Material Identity Number: T177-1999-036
   U.S. Copyright Clearance Center Code: 0040-2656/99/$2.50+00.00
   Language: English   Document Type: Journal Paper (JP)
   Treatment: Applications (A); General, Review (G)
   Abstract: GTE is rolling out its unified messaging service. The service includes fundamental unified messaging features such as the ability to **retrieve** E-mail and **voice** mail from both telephony and Web interfaces, read facsimiles via a Web interface or redirect facsimiles to a default or specified facsimile machine. Unified messaging is initially targeted at resellers such as Internet service providers, **wireless** service providers and competitive local exchange carriers, with an enterprise user marketing effort to follow. (0 Refs)
   Subfile: B
   Descriptors: electronic mail; electronic messaging; facsimile; information resources; telephony; voice mail
   Identifiers: GTE; unified messaging service; E-mail; voice mail; telephony; Web interfaces; facsimiles; Internet service providers; wireless service providers; competitive local exchange carriers; enterprise user marketing
   Class Codes: B6210 (Telecommunication applications)
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6/5/16   (Item 9 from file: 2)
DIALOG(R)File   2:INSPEC
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06683790   INSPEC Abstract Number: C9710-5260S-297
 Title: **SPEECHWEAR: a mobile speech system**
   Author(s): Rudnicky, A.I.; Reed, S.D.; Thayer, E.H.
   Author Affiliation: Dept. of Comput. Sci., Carnegie Mellon Univ., Pittsburgh, PA, USA
   Conference Title: Proceedings ICSLP 96. Fourth International Conference on Spoken Language Processing (Cat. No.96TH8206)   Part vol.1   p.538-41 vol.1
   Editor(s): Bunnell, H.T.; Idsardi, W.
   Publisher: IEEE, New York, NY, USA
   Publication Date: 1996 Country of Publication: USA   4 vol. 2522 pp.
   ISBN: 0 7803 3555 4   Material Identity Number: XX96-02464
   Conference Title: Proceeding of Fourth International Conference on Spoken Language Processing. ICSLP '96
   Conference Sponsor: Univ. Delaware; Alfred I. duPont Inst.; Acoust. Soc. America; Acoust. Soc. Japan; American Speech-Language-Hearing Assoc.;

Australian Speech Sci. & Technol. Assoc.; Eur. Speech Commun. Assoc.; IEEE
Signal Process. Soc.; Incorporated Canadian Acoust. Assoc.; Int. Phonetic
Assoc.; Linguistic Soc. America
   Conference Date: 3-6 Oct. 1996   Conference Location: Philadelphia, PA,
USA
   Availability: Appl. Sci. & Eng. Lab., Alfred I. duPont Inst., P.O.Box
269, Wilmington, DE 19899, USA
   Language: English   Document Type: Conference Paper (PA)
   Treatment: Practical (P)
   Abstract: We describe a system that allows ambulating users to perform
data entry and **retrieval** using a **speech** interface to a wearable
computer. The interface is a speech-enabled Web browser that allows the
user to access both locally stored documents as well as remote ones through
a **wireless** link. (12 Refs)
   Subfile: C
   Descriptors: document handling; Internet; natural language interfaces;
notebook computers; speech recognition; wireless LAN
   Identifiers: SPEECHWEAR; mobile speech system; data entry; data retrieval
; speech interface; wearable computer; speech-enabled Web browser; Internet
; locally stored document access; wireless link; notebook computer
   Class Codes: C5260S (Speech processing techniques); C1250C (Speech
recognition); C6180N (Natural language processing)
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   6/5/17   (Item 10 from file: 2)
DIALOG(R)File   2:INSPEC
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06575770   INSPEC Abstract Number: C9706-3390C-064
 Title: A study on the interactive speech recognition mobile robot
   Author(s): Jae-Young Lee; Seok-Hyun Yoon; Kwang-Seok Hong
   Author Affiliation: Dept. of Electron. Eng., Sung Kyun Kwan Univ., Seoul,
South Korea
   Journal: Journal of the Korean Institute of Telematics and Electronics
vol.33B, no.11   p.97-105
   Publisher: Korea Inst. Telematics & Electron,
   Publication Date: Nov. 1996 Country of Publication: South Korea
   CODEN: CKNOEZ ISSN: 1016-135X
   SICI: 1016-135X(199611)33B:11L.97:SISR;1-Y
   Material Identity Number: N523-97004
   Language: Korean   Document Type: Journal Paper (JP)
   Treatment: Applications (A); Practical (P); Theoretical (T); Experimental
(X)
   Abstract: This paper is a study on the implementation of speech
recognition mobile robot to which the interactive speech recognition
techniques are applied. The **speech** **command** utters the sentential
connected word and is asserted through the **wireless** mic system. This
speech signal transferred LPC-Cepstrum and short-time energy which are
computed from the received signal on the DSP board to notebook PC. In
notebook PC, DP matching technique is used for recognizer and the
recognition results are transferred to the motor control unit which outputs
pulse signals corresponding to the recognized command and drives the
stepping motor. Grammar network is applied to reduce the recognition speed
of the recognizer, so that real time recognition is realized. The
misrecognized command is revised by interface revision through the
conversation with mobile robot. Therefore, the user can move the mobile
robot to the direction which he wants. (8 Refs)
   Subfile: C
   Descriptors: cepstral analysis; linear predictive coding; mobile robots;
real-time systems; speech recognition

Identifiers: interactive speech recognition; mobile robot; sentential connected word; LPC-cepstrum; received signal; DP matching technique; recognition results; pulse signals; grammar network; recognition speed; real time recognition; interface revision
   Class Codes: C3390C (Mobile robots); C5260S (Speech processing techniques); C1250C (Speech recognition)
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6/5/18   (Item 11 from file: 2)
DIALOG(R)File   2:INSPEC
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06478297 · INSPEC   Abstract   Number: A9704-0130C-036,   B9702-0100-078, C9702-5260-057
   Title: 1996 IEEE International Conference on Acoustics, Speech, and Signal Processing Conference Proceedings
   Part vol. 1
   Publisher: IEEE, New York, NY, USA
   Publication Date: 1996 Country of Publication: USA   6 vol. lvii+3588 pp.
   ISBN: 0 7803 3192 3   Material Identity Number: XX96-02714
   U.S. Copyright Clearance Center Code: 96/$5.00
   Conference Title: 1996 IEEE International Conference on Acoustics, Speech, and Signal Processing Conference Proceedings
   Conference Sponsor: Signal Process. Soc. IEEE
   Conference Date: 7-10 May 1996   Conference Location: Atlanta, GA, USA
   Language: English   Document Type: Conference Proceedings (CP)

   Abstract: The following topics were dealt with: speech recognition; speaker recognition; speech coding; topic identification and spoken information retrieval ; speech synthesis; speech enhancement; spectral quantisation; language identification; microphone array beamforming and hearing aids; echo cancellation and active noise control; auditory modelling and music; audio coding; wireless communication systems; education; sensor arrays; digital video; rapid prototyping of DSP systems; efficient filters; fast algorithms; digital filters; time-frequency and time-scale analysis; wavelets; filter banks; multirate systems; nonlinear filters; adaptive filtering; signal reconstruction; adaptive equalisation; image compression; motion estimation; video compression; vector quantisation; very low bit rate coding; image recognition; image analysis; feature extraction and texture separation; image enhancement and restoration; motion compensation; multidimensional systems and filters; blind equalisation and identification; statistical signal processing; array processing; spectral estimation; array calibration and system identification; blind separation and reconstruction; industrial and biomedical applications; adaptive beamforming; DOA estimation; non-Gaussianity and cyclostationarity; higher order statistics; detection classification and localisation; matched field processing; time-delay estimation; sonar; neural networks; pattern recognition.
   Subfile: A B C
   Descriptors: acoustics; active noise control; adaptive filters; array signal processing; audio coding; digital filters; digital signal processing chips; equalisers; higher order statistics; image processing; motion estimation; music; neural nets; nonlinear filters; pattern recognition; signal detection; signal processing; sonar; spectral analysis; speech coding; speech processing; speech recognition; speech synthesis; time-frequency analysis; vector quantisation; video coding; wavelet transforms
   Identifiers: acoustics; fast algorithms; digital filters; time-frequency analysis; speech recognition; time-scale analysis; wavelets; multirate systems; speaker recognition; filter banks; nonlinear filters; adaptive

filtering; speech coding; signal reconstruction; adaptive equalisation; spoken information retrieval; image compression; motion estimation; speech synthesis; video compression; vector quantisation; speech enhancement; image recognition; image analysis; feature extraction; spectral quantisation; texture separation; image enhancement; language identification; image restoration; motion compensation; microphone array beamforming; multidimensional systems; hearing aids; blind equalisation; statistical signal processing; echo cancellation; array processing; spectral estimation; calibration; active noise control; industrial applications; biomedical applications; auditory modelling; DOA estimation; adaptive beamforming; music; cyclostationarity; higher order statistics; audio coding; detection classification; localisation; wireless communication systems; matched field processing; education; time-delay estimation; sonar; neural networks; sensor arrays; pattern recognition; digital video; rapid prototyping; DSP systems
  Class Codes: A0130C (Conference proceedings); A4300 (Acoustics); B0100 (General electrical engineering topics); B6140 (Signal processing and detection); B6130 (Speech analysis and processing techniques); C5260 (Digital signal processing); C1260 (Information theory); C1250 (Pattern recognition)
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  6/5/19   (Item 12 from file: 2)
DIALOG(R)File   2:INSPEC
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0000174939   INSPEC Abstract Number: 1922B00670
  Title: **Use of telephone receiver in place of microphone transmitter for wireless telephony**
  Author(s): Zenneck, J.
  Journal: Jahrbuch der Drahtlosen Telegraphie und Telephonie   19   p. 126-127
  Publication Date: Feb. 1922 Country of Publication: Germany
  Language: English   Document Type: Journal Paper (JP)
  Abstract: An ordinary telephone-receiver was connected to the input terminals of a two-valve amplifier, a modern 3600-ohm telephone being joined to the output side. A microphone transmitter was joined in series with a telephone receiver, no amplifier being used in this case. With the first arrangement **reproduction** of **speech** was almost perfect when the amplifier was properly adjusted, and certainly showed a marked improvement on the second arrangement using the microphone. For ordinary line telephony technical and financial reasons would prohibit the employment of the first arrangement, but in **wireless** telephony the addition of two more valves is a minor point, particularly if improved transmission results.
  Subfile: B
  Descriptors: radiotelegraphy
  Identifiers: telegraphy (wireless)
  Class Codes: B6210D (Telephony)
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DIALOG(R)File   2:INSPEC
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0000171253   INSPEC Abstract Number: 1921B00658
  Title: **Guided-wave telephony**
  Author(s): Culver, C.A.
  Journal: Journal of the Franklin Institute   191   p.301-328
  Publication Date: March 1921 Country of Publication: USA

Abstract: The first section of this paper is devoted to a statement of the principles involved in the g.w. system of telephony. The delay in the practical application was due, in part, to the difficulty of obtaining a suitable equipment for the production of undamped waves. A further obstacle was the opinion, widely held, that the attenuation would be so great as to make the new method impracticable. The author proceeds to describe methods of generation of the h.f. carrier wave, and its modulation at audio frequencies by standard telephone equipment. The maximum number of two-way guided-wave channels on a single physical circuit depends upon the electrical constants of the particular line and also on certain inherent limitations of the multiplex system itself. Two carrier waves are usually employed on a two-way conversation. A beat tone results from the interference of the two primary currents, and the difference in frequency must be such that the beat tone is above audibility. This necessitates a primary frequency difference of about 20,000. Also, the lowest carrier frequency must, theoretically at least, be above the audible limit, though it is found in practice that a fundamental carrier frequency of about 15,000 may be used. The upper limit of carrier frequency has not yet been determined, but research indicates that frequencies of the order of 500,000 are entirely practical, and frequencies as high as one million may possibly be utilised in multiplex practice. Taking 15,000 and 500,000 as lower and upper limits and bearing in mind the further limitation imposed by the possibility of beat tones, at least six simultaneous guided-wave two-way conversations are practicable over a single physical circuit in addition to the usual two-way telephone traffic. If it is possible to arrange a circuit of such character that it will deliver high-frequency current to line only when conversation is taking place, then both parts of a two-way conversation could take place on the same carrier wave, doubling the possible number of channels. The author describes a circuit designed to meet these conditions. Experience has shown that copper, copperclad iron, and aluminium wire may be used as conductors; ordinary galvanised iron wire will not answer. High-tension power lines may be used without any resultant interference to multiplex telephony from the low-frequency power currents. The multiplex circuit is coupled electrostatically to the power line by suitable high-tension condensers or by directly connecting to a wire a few hundred feet in length and within a few feet of the power wires and thence to earth. A system employing the first method has been in practical operation in Japan for more than a year. A circuit on the second plan is in use in Germany. Guided-wave telephone circuits are immune from interference by a.c. power lines and may be operated over a telegraph circuit. Interference is possible from c.w. radiotelegraph stations. Spark radio-telegraph stations are also heard in g.w. telephone apparatus if the carrier wave has the same value as the wave emitted by the **wireless** station, particularly if the g.w. circuit is a single line with earth return. Extensive tests have shown that utilising a carrier current having a frequency of 125,000 cycles commercial communication can be maintained with 5 watts on a pair of No. 10 copper aerial wires 100 miles in length. The g.w. system is twenty times as efficient as radiotelephony. The author shows that the ordinary attenuation formula for audio frequencies cannot be used for radio frequencies. Although the law relating to energy and distance in g.w. practice is not at present known, there is evidence for believing that the falling-off of energy is not more rapid than indicated by an inverse square law. On this assumption it would require a h.f. input to the line of about 500 watts to cover 1000 miles, repeaters and detector amplification not being used. It is now common practice to use rectified alternating current as a source of power for operating the oscillating power tubes supplying h.f. current to the line; frequencies as low as 25 cycles are successfully employed. Using smoothing inductances and condensers, all traces of a.c. "hum" are eliminated. By the use of such power units, g.w. apparatus can be arranged to respond instantly to remote

control. In general, g.w. transmission gives a more perfect **reproduction** of the **voice** than does wire telephony. There is no line distortion, since speech is transmitted by a single-frequency current varying in amplitude. G.w. telephony can be maintained between two points when the physical circuit is out of commission for ordinary telephone communication. Both wires may be cut, the line short-circuited and at least one wire earthed without interrupting g.w. service. Communication between moving trains and fixed points may be obtained at all times with a suitable antenna system on the top of a coach or coaches.

  Subfile: B
  Descriptors: telephony
  Identifiers: telephony
  Class Codes: B6210D (Telephony); B6210F (Telegraphy)
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  6/5/21   (Item 14 from file: 2)
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  0000167447   INSPEC Abstract Number: 1920A01650
  Title: Contact detectors
  Author(s): Dongier, R.
  Journal: Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences   171   p.238-240
  Publication Date: 26 July 1920 Country of Publication: France
  Language: English   Document Type: Journal Paper (JP)
  Abstract: Using a point-crystal (galena) or point-metal contact detector, the point being attached to the diaphragm of a phonograph reproducer, a sort of telephone was constructed which was found to **reproduce** **speech** with great clearness when the arrangement was used as an auto-detector in a **wireless** telephone set. The effect in question has been investigated by other experimenters.
  Note: [Abs. 1920A01197 1920A01199 1920A01200
  Subfile: A
  Descriptors: oscillations and waves (electric)
  Identifiers: oscillations and waves (electric)
  Class Codes: A0750 (Electrical instruments and techniques)
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  6/5/22   (Item 15 from file: 2)
  DIALOG(R)File   2:INSPEC
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  0000130631   INSPEC Abstract Number: 1907B01108
  Title: Experiments with undamped oscillations
  Author(s): Eisenstein, S.
  Journal: Elektrotechnische Zeitschrift ETZ   28   p.830-833
  Publication Date: 22 Aug. 1907 Country of Publication: Germany
  Language: English   Document Type: Journal Paper (JP)
  Abstract: The author gives a somewhat belated account of experiments initiated in 1904, on the arc method of producing oscillations; his theoretical considerations should be referred to in the original. Among the more interesting practical points, he tried at first to use the choking coils for the purpose of producing an arc-extinguishing magnetic field, but the result was to cause the arc to constantly wander about, while the frequency also was variable. Poulsen's steady magnetic field was therefore reverted to; it was, however, found better to employ loose coupling instead of the close coupling advocated by Poulsen. Experiments with compressed

gases as the arc-surrounding medium are briefly indicated. For **wireless**
telephony an arrangement based upon the magnetising effect of the
microphonic current when passed through the field-coils of the dynamo
supplying current to the arc is described, after the manner of S. G.
Brown's device. It was found better to employ the demagnetising effect as
being more rapid; it also gave better **reproduction** of **speech** . The
arrangement can also be used for **wireless** telegraphy, by including an
interrupter (ticker). The experiments are now being carried out at a
large-size station between Kieff and Schmerinka (South Russia), 230 km.,
over hilly ground.
 Subfile: B
 Descriptors: radiotelegraphy
 Identifiers: telegraphy (wireless)
 Class Codes: B6210D (Telephony); B6210F (Telegraphy)
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 6/5/23   (Item 16 from file: 2)
DIALOG(R)File   2:INSPEC
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0000107860   INSPEC Abstract Number: 1901A01912
 Title: **Sounding flames and flame telephony**
 Author(s): Simon, H.T.
 Journal: Elektrotechnische Zeitschrift ETZ   22   p.510-514
 Publication Date: 20 June 1901 Country of Publication: Germany
 Language: English   Document Type: Journal Paper (JP)
 Abstract: The author observed in 1898 that an arc-lamp reproduced the
chatter of an induction coil worked in the next room: it was found that the
two circuits were parallel to one another for a very short distance, and
the steady current in the lamp circuit had interrupted induced currents
superimposed upon it: but these could only be very small; so microphone
currents were tried, passed through one coil of a transformer while the
lamp current was passed through the other; and the experiment succeeded,
the arc-lamp giving out the sound without change of timbre, like an ideal
loud-speaking telephone. Microphones for currents up to 1/2 ampere gave the
best results. The next improvement (E. Ruhmer) was to put the microphone
with a resistance in parallel with the lamp: this got rid of the
transformer and of the microphone battery. Then came Duddell's remarkable
work (The Electrician, Dec., 1900), in which capacity and self-induction
are taken account of in such a way as to confine the microphone currents to
the flame and to exclude them from the general system. He put a capacity
and a transformer in parallel with the lamp, and passed the microphone
current through one coil of the transformer. This was an improvement, but
the author and Reich have found that, when the lamp is fed by an
accumulator battery, Duddell's arrangement may even be harmful, but that it
must be used when the lamp circuit has much self-induction and particularly
when a dynamo is used. But it may be pointed out that in Duddell's system
resonance, which can only reinforce one component, must be avoided; and the
self-induction and capacity must be so chosen that for the deepest note to
be reproduced (say n = 300 per second), 2pi n shall not be equal to but
shall always be greater than 1/(radical)LC: say L is that of a thick-wired
300-turn coil and C is 5 microfarads. If C be too great, the condenser does
not come up to full charges at each oscillation, and the effect is
deteriorated. Other combinations may be used; and one devised both by the
author and Reich and also by Ruhmer, is to put a capacity across the lamp
circuit and between this and the lamp to branch a microphone circuit on the
lamp circuit with both a self-induction and a resistance on the main
circuit between the ends of the microphone branch, the resistance being
such that the voltage on the microphone is about 4 volts. The loudness
increases with the strength of the lamp-current and with the length of the

arc. Duddell first had the boldness to use arcs of 10 cm., such as are now used; either impregnating his carbons with salts or using sufficient voltages (110 to 200 volts). The volume of the arc seems to undergo periodical variations in consequence of the varying heating; the consequence of this is the production of air-waves. The variations of temperature would be about 0.3(deg) C., which is sufficient. Explanations have been put forward according to which the vibration is due to a varying current in the terrestrial magnetic field: but the sound is not made louder through putting the arc in a strong magnetic field. The author is still experimenting as to the cause of the phenomenon, in the light of the more recent knowledge as to the conduction of electricity in gases. Braun has pointed out that the increment in the Joule effect is proportional to i . delta i . r , and should therefore be greater the stronger the lamp-current: but we cannot treat the lamp as a simple metallic conductor, though there does seem to be a true Ohm effect. Experiment is going on as to this; but in the meantime it would seem that Braun is right. The converse phenomenon would be the impact of sound waves effecting an alteration in the volume of the arc gases, and this producing variations in the current in the lamp-circuit, which might be reproduced as sound in a telephone: so that an arc-lamp might be used as a microphone. This can be done if the sound waves be concentrated upon an arc confined in a lime block. More faintly, an arc lamp may repeat what has been said near another arc-lamp in the same circuit with it (J. H. West). By taking the current of the field magnets of a (shunt) dynamo through one coil of a transformer, and through the other coil a microphone current; and by putting a capacity across the field magnet shunt and a choking coil in the shunt, we can make all the lamps on the circuit speak simultaneously. Some recent tests in Frankfurt have been conspicuously successful in this; but with ordinary lamps a suitable capacity must be arranged in parallel with the main-current coil of the regulator. With alternating currents there is both the transmitted sound and the tone belonging to the alternations. With three-phase currents, if we take the light of three wires and three carbons at 120(deg) on to one carbon, and pass the microphone currents over the field magnets, we can produce the same effect as with a direct current; apart always from the imperfection introduced by departures from the sinusoidal curve. For telephony without wires, we might use selenium cells, which have recently been greatly improved (Clausen and v. Bronk, Berlin), having now a resistance of 18,000 ohms in the dark and 9,000 ohms in diffused daylight, and being now prompt in response. As the temperature of the arc varies the radiations vary: and this is sufficient to work a telephone. Graham Bell's photophone of 1880 - a vibrating membrane, silvered, reflecting light on to a selenium cell - could not work beyond 250 metres: the present plan disposes of far more powerful beams, which may be concentrated as we wish. The selenium cell is so sensitive that if a Siemens and Halske polarised relay be arranged in its circuit so as to operate the circuit of an incandescent lamp, it is sufficient to light a match at some distance from the selenium cell to make the incandescent lamp light up. The Arons lamp works well for this kind of photophonic transmission: an arc between mercury electrodes in a vacuum: the arc itself is silent and the only variations are in its intensity. The constant current of the selenium cell is kept from the telephone by connecting one terminal of the telephone with a condenser arranged parallel to the selenium cell. Ruhmer has photographed the variations of radiation upon a moving film: and on again passing this film between a light and a selenium cell, with telephone, he has obtained a **reproduction** of the original **speech** . Duddell has obtained a sinusoidal current from a direct by putting a low-resistance self-induction and a capacity in parallel with a lamp; the lamp spontaneously gives a sound corresponding to the value of n : a result which is of extreme importance from the technical point of view, since L and C may be adjusted so as to give n any required value, and the pure sinusoidal form is of great consequence in **wireless** telegraphy. Much

remains to be done in the study of selenium cells.
  Note: Paper read before the Elektrotechn. Verein, April 23, 1901. [See also Abstracts Nos. 1901A00846 1901A00850 1901A01090 1901A01234
  Subfile: A
  Descriptors: acoustics; telephony
  Identifiers: sound; telephony
  Class Codes: A4300   (Acoustics)
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  6/5/24   (Item 1 from file: 99)
DIALOG(R)File   99:Wilson Appl. Sci & Tech Abs
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2104866 H.W. WILSON RECORD NUMBER: BAST00023532
New talk
Bainbridge, Heather;
Wireless Review v. 17 no6 (Mar. 15 2000) p. 18-22
DOCUMENT TYPE: Feature Article ISSN: 1099-9248 LANGUAGE: English
RECORD STATUS: Corrected or revised record

ABSTRACT: The marriage of **wireless** and Internet is fueling the development of voice access to data sources. Voice-recognition and text-to-speech services that allow users to search a web site or check their e-mail from a **wireless** phone are being implemented. Some **wireless** carriers already offer a service whereby customers can dial phone numbers or navigate their **voice** mail using **voice**   **commands** .
Internetspeech.com is beta testing a system that allows users to access e-mail and web sites via any telephone. Voice-recognition systems also offer a hands-free safety factor.

DESCRIPTORS: Integrated voice data transmission; Electronic mail systems;
  Internet telephony;

  6/5/25   (Item 2 from file: 99)
DIALOG(R)File   99:Wilson Appl. Sci & Tech Abs
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1532320 H.W. WILSON RECORD NUMBER: BAST94072071
New products help road warriors stay in touch
Andrews, Dave;
Byte v. 19 (Dec. '94) p. 26-7
DOCUMENT TYPE: Feature Article ISSN: 0360-5280 LANGUAGE: English
RECORD STATUS: Corrected or revised record

ABSTRACT: A wave of new product offerings promises to improve the efficiency of telecommuters and mobile workers. Wildfire Communication's Wildfire Electronic Assistant software ($46,850 for a four-port system) uses **speech** recognition to translate spoken **commands** into a series of contact management tasks that help the user connect to key people.
Priority Call Management's MSX system (starts at $60,000) seamlessly routes phone calls over cellular, **wireless** , and wired devices. AirSoft's Air Access 2.0 is remote-LAN-node software that uses a highly optimized TCP/IP-like transport-level protocol with caching to minimize the traffic across standard phone lines. MobileWare's eponymous software ($279 per user) allows mobile users to connect to LANs via a modem over **wireless** or standard phone lines.

DESCRIPTORS: Mobile computing; Speech recognition software;

Telecommunications software;

 6/5/26   (Item 1 from file: 256)
DIALOG(R)File 256:TecInfoSource
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02531111   DOCUMENT TYPE: Company

Mitel Networks Corp (531111)
350 Legget Dr   PO Box 13089
Kanata, ON   K2K 2W7   Canada
TELEPHONE: (613) 592-2122
FAX: (613) 592-4784
HOMEPAGE: http://www.mitel.com
EMAIL: info@mitel.com

FILE SEGMENT: Directory

CONTACT: Sales Department

ORGANIZATION TYPE: Corporation
EQUITY TYPE: Private
STATUS: Active

Mitel Networks Corporation, established in 1973 and based in Ottawa,
Canada, is a privately held company that provides enterprise clients with
integrated IP communications systems. The firm's technology is employed by
millions of end users across 90 countries. The products integrate voice,
video, and data traffic. Mitel Networks develops IP communications
platforms and desktop devices. It also provides customers with contact
center, messaging, workgroup collaboration, video conferencing, and
wireless communications applications. The company's messaging suite
encompasses text-to- **speech** playback, fax **retrieval** , **voice** mail, and
other components. Mitel Networks products integrate with existing PBX
systems. The firm is known for its Mitel Teleworker Solution, Mitel 6110
Contact Center Management, Mitel 6140 Agent Portal, Mitel 6160 IQ, Mitel
3340 Branch Office Solution, Mitel Your Assistant, Mitel Management Access
Point, Enterprise Manager, and Mitel Emergency Response Adviser. It also
provides clients with IP consoles, digital telephones, programmable
telephone key expansion modules, **wireless** telephones, and other devices.
The firm's Mitel Solutions Network (MiSN) services unit designs customized
applications for clients across the health care, hospitality, retail,
financial services, education, and government sectors. Company investors
include JP Morgan. Mitel Networks was founded by Terence Matthews and
Michael Cowpland. The firm split into the independent Mitel Networks and
Zarlink Semiconductor companies in 2001.

SALES: NA
DATE FOUNDED: 2001

DESCRIPTORS: Computer Telephony; Speech Recognition; Unified Messaging;
    VoIP
REVISION DATE: 20060602

 6/5/27   (Item 2 from file: 256)
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00159625   DOCUMENT TYPE: Review

PRODUCT NAMES: Wireless Communications (813601)

TITLE: Speech Recognition Gets Intuitive, Finds New Life In Mobile...
AUTHOR: David, Mark
SOURCE: Electronic Design,   v54 n3 p17(1) Feb 16, 2006
ISSN: 0013-4872
HOMEPAGE: http://www.elecdesign.com

FILE SEGMENT: Review
RECORD TYPE: Product Analysis

IBM has effectively re-purposed its promotion of dictation applications for
 speech recognition technology by focusing on **command** recognition. Its
interactive phone-based applications have been successful in moving speech
recognition technology from fantasy to reality. This automation technique
has created competition for offshore call centers, since many telephony and
call-center applications are not using speech input and output. The
increasing number of cell phones, PDAs, and other portable data devices has
also brought significant opportunities for speech recognition and response
systems in the mass market. Bluetooth **wireless** headsets allow users to
multitask, for example. Another opportunity for the technology can be found
in automotive telematics, allowing drivers to watch the road while issuing
commands to a growing array of in-car electronics systems. IBM's Embedded
ViaVoice 4.4 offers new freeform capabilities. This technology does not
require users to memorize predefined control terms, but uses statistical
language modeling and semantic interpretation instead. This allows it to
accept intuitive command phrases. IBM sees opportunities for this
technology that go beyond the automotive environment. The firm believes
there is a natural opportunity to make speech a multi-mode option for
obtaining information on demand via mobile devices.

COMPANY NAME: TecTerms (999999)
DESCRIPTORS: IVR (Interactive Voice Response); Mobile Communications;
    Speech Recognition
REVISION DATE: 20060800
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